

EPA Reg. No. 91813-7

PROCESSING REQUEST

Reg #91813-7

Decision #514215

**Description: New Technical Product Registration –
Conditional (Selective cite-all)**

Electronic Label & Letter
(see PPLS):

OR

**Non Electronic
Label & Letter**
(Scanning required):

☒ Dated:

☐ Dated:

Only one label type should be selected

Other Materials Sent (see jacket):

☒ New CSF(s) Dated: Basic CSF dated 02/05/2016

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Debra Rate

Division: Registration Division

Phone: 703-306-0309

Date: 4/18/2017

PROCESSING REQUEST



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

91813-7

Date of Issuance:

4/14/17

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

UPI Methoxyfenozide Technical

Name and Address of Registrant (include ZIP Code):

Ann Tillman, Agent
UPL Delaware, Inc.
c/o Pyxis Regulatory Consulting
4110 136th Street Ct. NW
Gig Harbor, WA 98332

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Michael Walsh, Product Manager 11
Invertebrate and Vertebrate Branch 2
Registration Division (7505P)

Date:

4/14/17

2. You are required to comply with the data requirements described in the DCI identified below:

- Methoxyfenozide GDCI-121027-1378

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. Alternatively, you have the option of generating an accelerated storage stability study (2 weeks at 54°C) and submitting this to the Agency. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
- Revise the EPA Registration Number to read, "EPA Reg. No. 91813-7."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 02/05/2016

If you have any questions, please contact Debra Rate by phone at (703) 306-0309, or via email at rate.debra@epa.gov.

Attachment

UPI Methoxyfenozide Technical
For Manufacturing Use Only

ACTIVE INGREDIENT

Methoxyfenozide*: Benzoic acid, 3-methoxy-2-methyl-,
2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide.....98.2%

OTHER INGREDIENTS..... 1.8%

Total 100.0%

*CAS No. 161050-58-4

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If on skin	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor. For emergency medical treatment information, contact the Rocky Mountain Poison Control Center at 1-866-673-6671.	

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC at 1-800-424-9300.

UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406
1-800-438-6071

EPA Reg. No. 91813-
EPA Est. No.

Net Weight:

ACCEPTED

04/14/2017

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 91813-7

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long sleeved shirt, long pants, shoes, socks and gloves. Remove and wash contaminated clothing before reuse. Wear protective eyewear.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product is to be used only for formulating insecticide products for the following uses:

Acerola	Mango
Avocado	Nongrass forage, fodder, straw and hay (Crop Group 18)
Black sapote	Papaya
Brassica (cole) leafy vegetables (Crop Group 5)	Peanut
Bushberries (Crop Subgroup 13-07B)	Pineapple
Caneberries (Crop Subgroup 13-07A)	Popcorn
Canistel	Rambutan
Citrus fruits (Crop Group 10-10)	Sorghum (grain and sweet)
Corn grown for seed	Spearmint
Corn, sweet and field	Starfruit
Cotton	Tree nuts (Crop Group 14-12)
Cranberry including high bush cranberry	Leaves of root and tuber vegetables (Crop Group 2)
Cucurbit vegetables (Crop Group 9)	Low growing berry (except cranberry) (Crop Group 13-07G)
Dates	Mamey sapote
Feijoa	Ornamentals
Foliage of legume vegetables (except soybean) (Crop Subgroup 7A)	Passionfruit
Fruiting vegetables (Crop Group 8-10)	Peppermint
Globe artichoke	Pome fruits (Crop Group 11-10)
Grass forage, fodder and hay (Crop Group 17)	Pomegranate
Green onion (Crop Subgroup 3-07B)	Pulasan
Guava	Root vegetables (subgroup 1A, 1B)
Herbs (Crop Subgroup 19A)	Sapodilla
Jaboticaba	Small fruit vine climbing (except fuzzy kiwifruit) (Crop Group 13-07F)
Leafy vegetables (Crop Group 4)	Star apple
Legume vegetables (succulent or dried) (Crop Group 6)	Stone fruits (Crop Group 12-12)
Longan	Tuberous and corm vegetables (except potato) (Crop Subgroup 1D)
Lychee	Wax jambu

This product may be used to formulate products for specific use(s) not listed on this label if the formulator, user group or grower has complied with U.S. EPA submission requirements regarding the support of such use(s).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container only in a cool, dry, well-ventilated area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling:

Fiber drums with liner: Nonrefillable container. Do not reuse or refill this container. Completely empty liner into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer drum and liner for recycling if available. If not available, dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If burned stay out of smoke. If drum is contaminated and cannot be reused, dispose of in the same manner required for its liner.

Supersacks: Nonrefillable container: Do not reuse or refill this container. Completely empty bag into formulation equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or by other procedures approved by state and local authorities.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

UPL Delaware, Inc. warrants that at the time of delivery, this product will conform to its chemical description on the label, that it is reasonably fit for the purposes referred to in the Directions for use, that it will pass without objection in the trade under the contract description, that the seller will convey title hereto, and that such product will be delivered free from any lawful security interest, lien or encumbrance.

To the extent consistent with applicable law, UPL DELAWARE, INC. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. BUYER ACKNOWLEDGES THE USE OF ITS OWN INDEPENDENT SKILL AND EXPERTISE IN THE SELECTION AND USE OF THE PRODUCT AND DOES NOT RELY ON ANY ORAL OR WRITTEN STATEMENTS OR REPRESENTATIONS.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number UPL Delaware, Inc. c/o Pyxis Regulatory Consulting, Inc. 4110 136 th St. Ct. NW Gig Harbor, WA 98332 (253) 853-7369	EPA Registration Number/File Symbol/ 91813-T
Active Ingredient(s) and/or representative test compound(s) Methoxyfenozide	Date Apr. 10, 2017
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) TGA1	Product Name UPI Methoxyfenozide Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statements (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have including with this form a list of companies send offer of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date Apr. 10, 2017	Typed or Printed Name and Title Ann M. Tillman Senior Regulatory Consultant
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401 M Street, S.W.

WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 1 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
			Not applicable for technical
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	PRN 92-5
	UPL Delaware, Inc.	OWN	Not applicable for TGAI
	UPL Delaware, Inc.	OWN	PRN 92-5
			Not applicable for TGAI

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017

10



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WASHINGTON, D.C. 20460

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Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 2 of 18

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630 Freedom Business Center
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Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Not applicable to solids
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Not applicable to solids
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Waiver. TGA1 is not a fibrous material or water-insoluble
	UPL Delaware, Inc.	OWN	
			See 830.7550
			See 830.7550
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
			See 830.7840
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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EPA Reg No./ File Symbol: 91813-T

Page 3 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
	OLD	See endnote ¹
	OLD	See endnote ²
	OLD	
		Not required
	OLD	See endnote ³
	OLD	
	OLD	
		Not required
	OLD	See endnote ⁴
	OLD	
	OLD	See endnote ⁵
	OLD	See endnote ⁶
	OLD	
	OLD	See endnote ⁷
	OLD	
	OLD	See endnote ⁸
	OLD	See endnote ⁹
	OLD	See endnote ¹⁰

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017

12



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Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 4 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
	OLD	See endnote ¹¹
	OLD	See endnote ¹²
Dow AgroSciences LLC	PAY	
		Not required
		Not required
		Not required
Dow AgroSciences LLC	OLD	
	PAY	
	OLD	See endnote ¹³
	OLD	See endnote ¹⁴
	OLD	See endnote ¹⁵
Dow AgroSciences, LLC	PAY	
		See 850.3040
Dow AgroSciences LLC	PAY	See endnote ¹⁶
Dow AgroSciences LLC	PAY	
		Not required ¹⁷
	OLD	See endnote ¹⁸
	OLD	See endnote ¹⁹
	OLD	See endnote ²⁰
	OLD	See endnote ²¹
		Not required ²²

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
		Not required ²³
		Not required ²⁴
	OLD	See endnote ²⁵
	OLD	See endnote ²⁶
	OLD	See endnote ²⁷
	OLD	See endnote ²⁸
	OLD	See endnote ²⁹
		Not required ³⁰
	OLD	See endnote ³¹
	OLD	See endnote ³²
	OLD	See endnote ³³
	OLD	See endnote ³⁴
		Not required
	OLD	See endnote ³⁵
Dow AgroSciences LLC	PAY	See endnote ³⁶
Agricultural Handler Exposure TF	OWN	See endnote ³⁷
		Not required
Agricultural Handler Exposure TF	OWN	See endnote ³⁷

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017

14



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 6 of 18

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Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
			Not required
			Not required
			Not required
			Not required
		OLD	Not required ³⁸
	Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
	Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
	Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
			Not required
			Not required
			Not required
			Not required
			Not required
	Dow AgroSciences, LLC	PAY	
	Spray Drift Task Force	OWN	See endnote ⁴⁰
	Spray Drift Task Force	OWN	See endnote ⁴⁰

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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WASHINGTON, D.C. 20460

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Page 7 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter

Status

Note

Not required⁴¹Not required⁴²

OLD

See endnote⁴³Not required⁴¹Not required⁴²

OLD

See endnote⁴³

Not required

Not required

Not required

Not required

OLD

See endnote⁴⁴

OLD

See endnote⁴⁵

OLD

OLD

See endnote⁴⁶

Not required

OLD

OLD

OLD

See endnote⁴⁷Not required⁴⁸

OLD

See endnote⁴⁹

OLD

See endnote⁵⁰

OLD

See endnote⁵¹Not required⁵²

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017

16



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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EPA Reg No./ File Symbol: 91813-T

Page 8 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
		Not required ⁵³
	OLD OLD OLD	See endnote ⁵⁴
		Not required
		Not required
		Not required
		Not required ⁵⁵
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	See endnote ⁵⁶
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
	OLD OLD OLD OLD	
	OLD OLD	
	OLD	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 9 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	OLD	
	Dow AgroSciences LLC	PAY	

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18



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EPA Reg No./ File Symbol: 91813-T

Page 10 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
	OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD	
IR-4	PL	
IR-4	PL	
IR-4	PL	
	OLD	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
	OLD	

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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 11 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
		OLD	
		OLD	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	

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20



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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 12 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
Dow AgroSciences LLC	OLD	
Dow AgroSciences LLC	PAY	
IR-4	PAY	
IR-4	PL	
IR-4	PL	
Dow AgroSciences LLC	PL	
IR-4	PAY	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
Dow AgroSciences LLC	PAY	
IR-4	PL	
	OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 13 of 18

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King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
	IR-4	PL	
	IR-4	PL	
	Dow AgroSciences LLC	PAY	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
	Dow AgroSciences LLC	PAY	
	IR-4	PL	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	

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22



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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 14 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
	Dow AgroSciences, LLC	PAY OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	Dow AgroSciences, LLC	PAY OLD	
	Dow AgroSciences LLC	PAY	
	IR-4	PL	
		OLD OLD OLD OLD OLD OLD OLD	

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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 15 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	
		OLD	
		OLD	
	Dow AgroSciences LLC	PAY	
	IR-4	PL	
	Dow AgroSciences LLC	PAY	
		OLD	
	IR-4	PL	
		OLD	
		OLD	

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24



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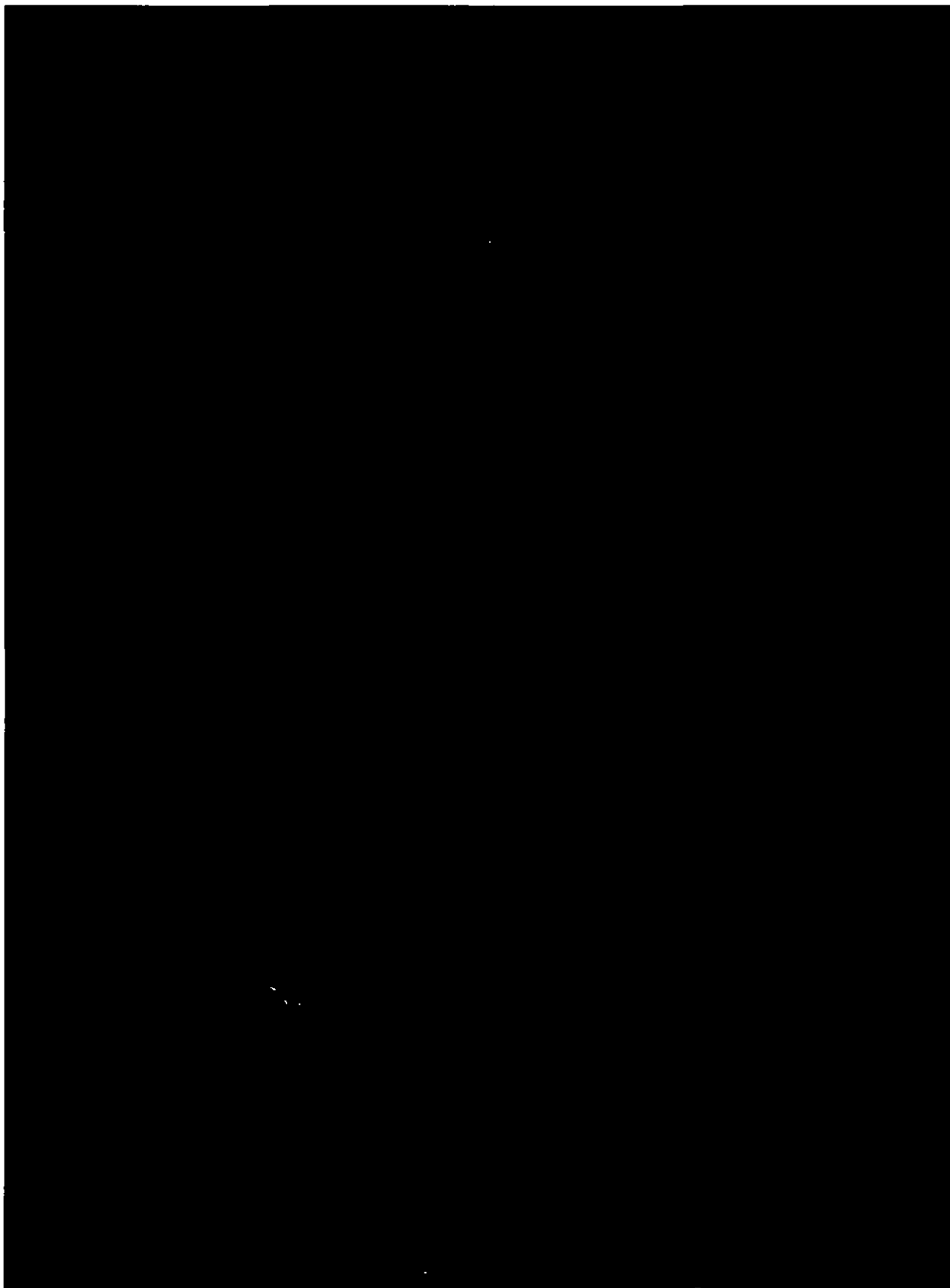
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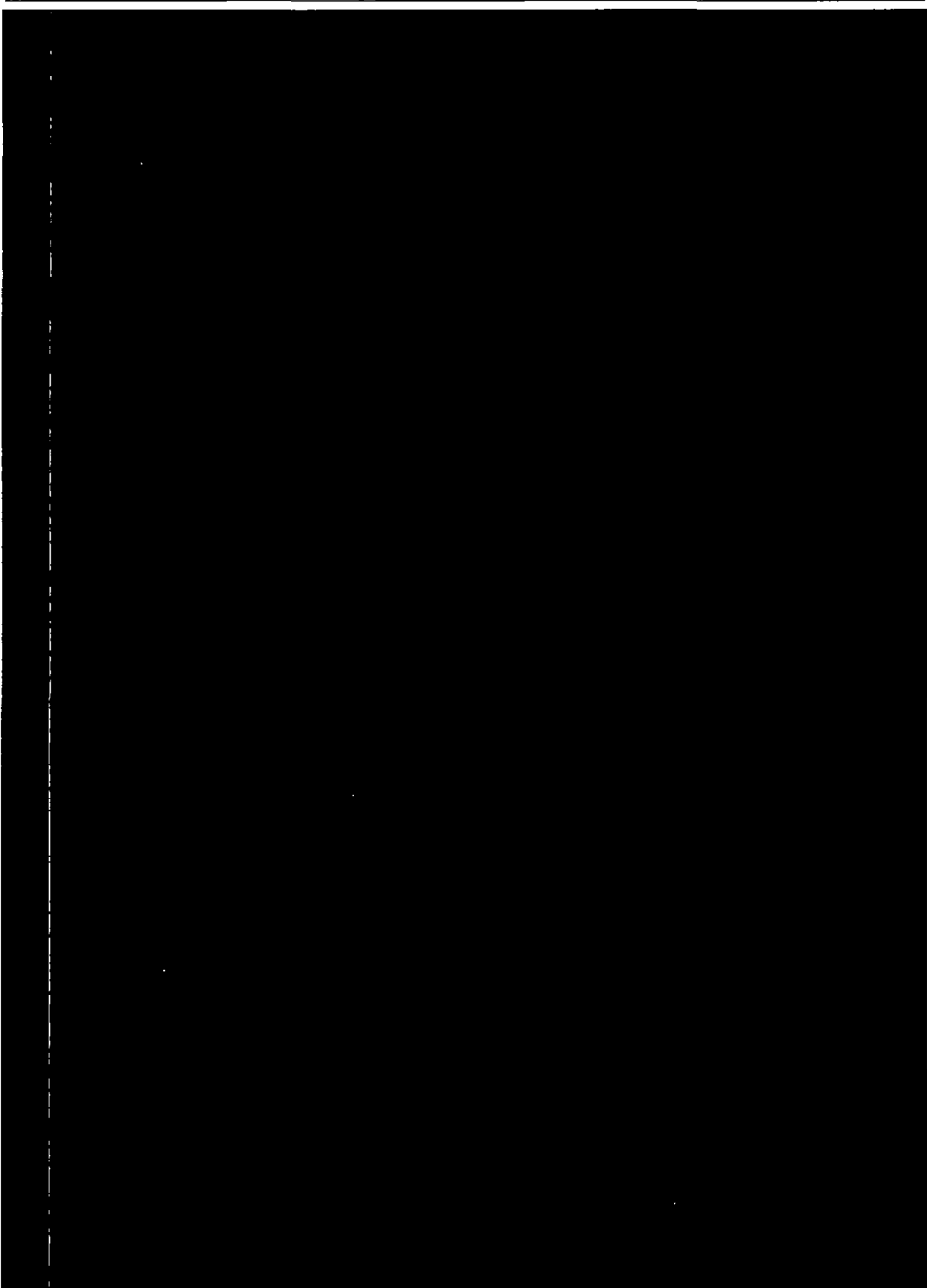
Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 16 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

	Submitter	Status	Note
			Not required
			Not required
			Not required
			Not required
	Dow AgroSciences LLC Dow AgroSciences LLC	OLD PAY PAY	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Endnotes for Data Matrix for UPL Delaware, Inc. UPI Methoxyfenozide Technical







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Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 1 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC					
830.1550	Product identity and composition	49820601	UPL Delaware, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	49820601	UPL Delaware, Inc.	OWN	
830.1620	Description of the Production Process	49820601	UPL Delaware, Inc.	OWN	
830.1650	Description of the Formulation Process				Not applicable for technical
830.1670	Discussion of Formation of Impurities	49820601	UPL Delaware, Inc.	OWN	
830.1700	Preliminary Analysis	49820602	UPL Delaware, Inc.	OWN	
830.1750	Certified Limits	49820601	UPL Delaware, Inc.	OWN	
830.1800	Enforcement Analytical Method	49820603	UPL Delaware, Inc. UPL Delaware, Inc.	OWN OWN	
830.6302	Color	49820604	UPL Delaware, Inc.	OWN	
830.6303	Physical State	49820604	UPL Delaware, Inc.	OWN	
830.6304	Odor	49820604	UPL Delaware, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	49820605	UPL Delaware, Inc.	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	49820623	UPL Delaware, Inc.	OWN	
830.6315	Flammability	49820606	UPL Delaware, Inc.	OWN	
830.6316	Explosibility	49820607	UPL Delaware, Inc.	OWN	
830.6317	Storage Stability	49820616	UPL Delaware, Inc.	OWN	PRN 92-5
830.6319	Miscibility	49820616	UPL Delaware, Inc.	OWN	Not applicable for TGAI
830.6320	Corrosion Characteristics	49820616	UPL Delaware, Inc.	OWN	PRN 92-5
830.6321	Dielectric Breakdown Voltage				Not applicable for TGAI

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28



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Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 2 of 18

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Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000	pH	49820608	UPL Delaware, Inc.	OWN	
830.7050	UV/Visible Absorption	49820609	UPL Delaware, Inc.	OWN	
830.7100	Viscosity	49820616	UPL Delaware, Inc.	OWN	Not applicable to solids
830.7200	Melting Point/Melting Range	49820610	UPL Delaware, Inc.	OWN	
830.7220	Boiling Point/Boiling Range	49820616	UPL Delaware, Inc.	OWN	Not applicable to solids
830.7300	Density/Relative Density/Bulk Density	49820611	UPL Delaware, Inc.	OWN	
830.7370	Dissociation Constants in Water	49820612	UPL Delaware, Inc.	OWN	
830.7520	Particle size, fiber length, and diameter distribution	49820616	UPL Delaware, Inc.	OWN	Waiver. TGA1 is not a fibrous material or water-insoluble
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49820613	UPL Delaware, Inc.	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	49820624 49820614	UPL Delaware, Inc. UPL Delaware, Inc.	OWN OWN	
830.7860	Water Solubility: Generator Column Method				See 830.7840
830.7950	Vapor Pressure	49820615	UPL Delaware, Inc.	OWN	
870.1100	Acute oral toxicity – rat	49820617	UPL Delaware, Inc.	OWN	
870.1200	Acute dermal toxicity – rat	49820618	UPL Delaware, Inc.	OWN	
870.1300	Acute inhalation toxicity – rat	49820619	UPL Delaware, Inc.	OWN	

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Name and Title

Ann M. Tillman, Consultant

Date

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EPA Reg No./ File Symbol: 91813-T

Page 3 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400	Eye irritation	49820620	UPL Delaware, Inc.	OWN	
870.2500	Skin irritation	49820621	UPL Delaware, Inc.	OWN	
870.2600	Skin sensitization	49820622	UPL Delaware, Inc.	OWN	
GENERIC DATA					
850.2100	Acute Avian Oral Toxicity	44144406		OLD	See endnote ¹
850.2200	Acute Avian Dietary Toxicity	44144407		OLD	See endnote ²
		44144408		OLD	
850.2400	Wild Mammal Toxicity				Not required
850.2300	Avian Reproductive Toxicity	44617710		OLD	See endnote ³
		44617711		OLD	
		45652801		OLD	
850.2500	Simulated or Actual Field Testing				Not required
850.1075	Freshwater Fish Toxicity	44144409		OLD	See endnote ⁴
		44144410		OLD	
850.1010	Freshwater Invertebrate Toxicity	44144411		OLD	See endnote ⁵
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	44144412		OLD	See endnote ⁶
		44144413		OLD	
		44144414		OLD	
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	44617714		OLD	See endnote ⁷
		45032801		OLD	
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	44617715		OLD	See endnote ⁸
850.1400	Fish Early Life Stage (Freshwater)	44617713		OLD	See endnote ⁹
850.1400	Fish Early Life Stage (Saltwater)	44617712		OLD	See endnote ¹⁰

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Date

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30



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EPA Reg No./ File Symbol: 91813-T

Page 4 of 18

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Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1500	Life Cycle Fish	44617716		OLD	See endnote ¹¹
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	44617813 45702704	Dow AgroSciences LLC	OLD PAY	See endnote ¹²
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine	45032801 45702703	Dow AgroSciences LLC	OLD PAY	
850.3020	Honey Bee Acute Contact Toxicity	44144429		OLD	See endnote ¹³
Non-guideline	Honey Bee Subacute Dietary Toxicity	44617717		OLD	See endnote ¹⁴
Non-guideline	Honey Bee Brood Development	45065501		OLD	See endnote ¹⁵
Non-guideline	Honey Bee Larval	49672801	Dow AgroSciences, LLC	PAY	
850.3030	Honeybee Toxicity of Residues on Foliage				See 850.3040
850.3040	Field Testing for Pollinators	48962201 48962202	Dow AgroSciences LLC Dow AgroSciences LLC	PAY PAY	See endnote ¹⁶
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required ¹⁷
870.6200	Acute Neurotoxicity – Rat	44617802		OLD	See endnote ¹⁸
870.3100	90-Day Oral: Rodent	44617722		OLD	See endnote ¹⁹
870.3150	90-Day Oral: Non-Rodent	44617724		OLD	See endnote ²⁰
870.3200	21/28-Day Dermal Toxicity	44617725		OLD	See endnote ²¹
870.3250	90-Day Dermal Toxicity				Not required ²²

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DATA MATRIX

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EPA Reg No./ File Symbol: 91813-T

Page 5 of 18

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Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3465	90-Day Inhalation Toxicity				Not required ²³
870.6100	28-Day Delayed Neurotoxicity Hen				Not required ²⁴
870.6200	90-Day Neurotoxicity	44617803		OLD	See endnote ²⁵
870.4100	Chronic Oral Rodent	44617731		OLD	See endnote ²⁶
870.4200	Carcinogenicity	44617731 44617729		OLD OLD	See endnote ²⁷
870.3700	Reproduction/Developmental Toxicity Screening Test	44638201 44617726		OLD OLD	See endnote ²⁸
870.3800	2-Generation Reproduction: Rat	44617727		OLD	See endnote ²⁹
870.6300	Developmental Neurotoxicity Study				Not required ³⁰
870.5100	Bacterial Reverse Mutation Test	44144428 44617733		OLD OLD	See endnote ³¹
870.5300, 870.5375	<i>In vitro</i> Mammalian Cell Assay	44617734 44617735		OLD OLD	See endnote ³²
870.5385, 870.5395, 870.5450; 870.5550	<i>In vivo</i> Cytogenetics and Other Effects	44617801		OLD	See endnote ³³
870.7485	Metabolism and Pharmacokinetics	44617804		OLD	See endnote ³⁴
870.7200	Companion Animal Safety				Not required
870.7600	Dermal Penetration	44638202		OLD	See endnote ³⁵
870.7800	Immunotoxicity	48592601	Dow AgroSciences LLC	PAY	See endnote ³⁶
875.1100	Dermal Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ³⁷
875.1200	Dermal Exposure - Indoor				Not required
875.1300	Inhalation Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ³⁷

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Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017

32



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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 6 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406		Product: UPI Methoxyfenozide Technical
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1400	Inhalation Exposure - Indoor				Not required
875.1500	Biological Monitoring				Not required
875.1600	Data Reporting and Calculations				Not required
875.1700	Product Use Information				Not required
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues	44626313		OLD	Not required ³⁸
875.2200	Soil Residue Dissipation		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2400	Dermal Exposure		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2500	Inhalation Exposure		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2600	Biological Monitoring				Not required
875.2700	Product Use Information				Not required
875.2800	Descriptions of Human Activity				Not required
875.2900	Data Reporting and Calculations				Not required
875.3000	Nondietary Ingestion Exposure				Not required
890.1100	Amphibian Metamorphosis	48938701	Dow AgroSciences, LLC	PAY	
201-1	Droplet Size Spectrum		Spray Drift Task Force	OWN	See endnote ⁴⁰
202-1	Droplet Size Spectrum		Spray Drift Task Force	OWN	See endnote ⁴⁰

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DATA MATRIX

Date: April 10, 2017 EPA Reg No./ File Symbol: 91813-T Page 7 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4100	Tier 1: Seedling Emergence				Not required ⁴¹
850.4150	Tier 1: Vegetative Vigor				Not required ⁴²
850.4400, 850.5400	Tier 1: Aquatic Plant Growth	44617718		OLD	See endnote ⁴³
850.4100	Tier 2: Seedling Emergence				Not required ⁴¹
850.4150	Tier 2: Vegetative Vigor				Not required ⁴²
850.4400, 850.5400	Tier 2: Aquatic Plant Growth	44617718		OLD	See endnote ⁴³
850.4300	Terrestrial Field				Not required
850.4450	Aquatic Field				Not required
850.4025	Target Area Phytotoxicity				Not required
850.4550	Cyanobacteria Toxicity				Not required
835.2120	Hydrolysis	44144430		OLD	See endnote ⁴⁴
835.2240	Photodegradation in Water	44144431 44617805		OLD OLD	See endnote ⁴⁵
835.2410	Photodegradation in Soil	44617806		OLD	See endnote ⁴⁶
835.2370	Photodegradation in Air				Not required
835.4100	Aerobic Soil Metabolism	44617807 44617808 44144432		OLD OLD OLD	See endnote ⁴⁷
835.4200	Anaerobic Soil Metabolism				Not required ⁴⁸
835.4300	Aerobic Aquatic Metabolism	44617809		OLD	See endnote ⁴⁹
835.4400	Anaerobic Aquatic Metabolism	44617810		OLD	See endnote ⁵⁰
835.1230	Leaching/Adsorption/Desorption	44144433		OLD	See endnote ⁵¹
835.1410	Volatility - Laboratory				Not required ⁵²

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Date

April 10, 2017

34



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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 8 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.8100	Volatility – Field				Not required ⁵³
835.6100	Soil Field Dissipation Study	44617811 44617812 44617827		OLD OLD OLD	See endnote ⁵⁴
835.6200	Aquatic Sediment Field Dissipation Study				Not required
835.6300	Forest Field Dissipation Study				Not required
835.6400	Combination and Tank Mixes				Not required
835.7100	Ground Water Monitoring				Not required ⁵⁵
Non-guideline	Surface Water Monitoring	49340301	Dow AgroSciences LLC	PAY	
850.6100	Environmental Chemistry Methods	47824201 47809902 47809903 49525701 49525702 49525703 49525704	Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC	PAY PAY PAY PAY PAY PAY PAY	See endnote ⁵⁶
860.1300	Nature of the Residue: Plants	44617816 44617817 44617818 44873405		OLD OLD OLD OLD	
860.1300	Nature of the Residue: Livestock	44617819 44617820		OLD OLD	
860.1850	Confined Rotational Crops	44617832		OLD	

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April 10, 2017



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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 9 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Residue Analytical Methods	44617821		OLD	
		44617822		OLD	
		44626303		OLD	
		44626304		OLD	
		44626305		OLD	
		44689101		OLD	
		44873410		OLD	
		44873411		OLD	
		45194701		OLD	
		45194702		OLD	
		45213502		OLD	
		45213503		OLD	
		45213504		OLD	
		45213505		OLD	
		45213506		OLD	
		45313302		OLD	
		45313303		OLD	
		45373502	Dow AgroSciences LLC	PAY	
		45373503	Dow AgroSciences LLC	PAY	
		46018002	Dow AgroSciences LLC	PAY	
860.1360	Multiresidue Method	46018003	Dow AgroSciences LLC	PAY	
		46018004	Dow AgroSciences LLC	PAY	
		46018005	Dow AgroSciences LLC	PAY	
		44617828		OLD	
		46039301	Dow AgroSciences LLC	PAY	

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Date

April 10, 2017

36



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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 10 of 18

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630 Freedom Business Center
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Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage Stability	44617825 44617826 44626306 44689102 45194703 45213507 45213508 45213509 45213510 45213511		OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: acerola	46879002	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: avocado	47135702	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: black sapote	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Brassica vegetables (Group 5)	44924303		OLD	
860.1500	Magnitude of the Residue in Plants: bushberries (Subgroup 13-07B)	47135703 46879002	IR-4 IR-4	PL PL	
860.1500	Magnitude of the Residue in Plants: caneberries (Subgroup 13-07A)	48994103	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: canistel	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: citrus fruits (Group 10)	47556401 48145301 48402601	IR-4 IR-4 IR-4	PL PL PL	
860.1500	Magnitude of the Residue in Plants: corn	45213513		OLD	

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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 11 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: cotton	44617829 44617830 44848610		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: cranberry (including high bush cranberry)	45651401	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: cucurbits (Group 9)	45795201 45800201 45805201	IR-4 IR-4 IR-4	PL PL PL	
860.1500	Magnitude of the Residue in Plants: dates	48994104	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: feijoa	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: fruiting vegetables (Group 8-10)	44873406 44873407		OLD OLD	
860.1500	Magnitude of the Residue in Plants: globe artichoke	45546901	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: grass forage, fodder and hay (Group 17)	46879004	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: green onion (Subgroup 3-07B)	47135701 49420201	IR-4 IR-4	PL PL	
860.1500	Magnitude of the Residue in Plants: guava	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: herbs (Subgroup 19A)	48994101 49420201	IR-4 IR-4	PL PL	
860.1500	Magnitude of the Residue in Plants: jaboticaba	44873408		OLD	

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April 10, 2017

38



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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 12 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: leafy vegetables (Group 4)	44924304 45870501 47912701 48481701 48499801	Dow AgroSciences LLC Dow AgroSciences LLC IR-4 IR-4	OLD PAY PAY PL PL	
860.1500	Magnitude of the Residue in Plants: legume vegetables (Group 6)	45795101 46153802 46160801 46160803 46160804 46182401 46879003 47556402	IR-4 Dow AgroSciences LLC IR-4 IR-4 IR-4 IR-4 IR-4 IR-4	PL PAY PL PL PL PL PL PL	
860.1500	Magnitude of the Residue in Plants: longan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: low growing berry (Group 13-07G)	46159301	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: lychee	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: mamey sapote	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: mango	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: nongrass forage, fodder, straw, and hay (Group 18)	46986201	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: papaya	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: passionfruit	44873408		OLD	

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EPA Reg No./ File Symbol: 91813-T

Page 13 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: peanut	46879005	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: peppermint	46082601	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: pineapple	49108101	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: pome fruits (Group 11-10)	44626307 44626309 44626310 44626311 44626312 44848608 44848609		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: pistachios	45373504	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: pomegranate	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: popcorn	45213513		OLD	
860.1500	Magnitude of the Residue in Plants: pulasan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: rambutan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: root vegetables (Subgroup 1A, 1B)	46143401 46143402 46143403 48402602 48402603	IR-4 IR-4 IR-4 IR-4 IR-4	PL PL PL PL PL	
860.1500	Magnitude of the Residue in Plants: sapodilla	46149801	IR-4	PL	

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40



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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 14 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406		Product: UPI Methoxyfenozide Technical
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: small fruit vine climbing (except fuzzy kiwifruit) (Group 13-07F)	49731303 44873408	Dow AgroSciences, LLC	PAY OLD	
860.1500	Magnitude of the Residue in Plants: sorghum (grain and sweet)	48994102	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: spearmint	46082601	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: star apple	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: star fruit	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: stone fruits (Crop 12-12)	46606301 45313304	Dow AgroSciences, LLC	PAY OLD	
860.1500	Magnitude of the Residue in Plants: tree nuts (Group 14-12)	45373504	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: tuberous and corm vegetables (except potato) (Subgroup 1D)	46879001	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: wax jambu	44626307 44626309 44626310 44626311 44626312 44848608 44848609		OLD OLD OLD OLD OLD OLD OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 15 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: citrus	47556401 48145301 48402601	IR-4 IR-4 IR-4	PL PL PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: corn	45213514		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: cotton	44617831		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: tomato	44873406		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: soybean	46153802	Dow AgroSciences LLC	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: peanut	46879005	IR-4	PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: pineapple	49108101	Dow AgroSciences LLC	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: apple	44626311		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sorghum	48994102	IR-4	PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: grape	44873408		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: prune	45313304		OLD	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	44626308 45213512		OLD OLD	

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Name and Title

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Date

April 10, 2017

42



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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 16 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments				Not required
860.1900	Field Rotational Crops	45194704 45870502 46018001	Dow AgroSciences LLC Dow AgroSciences LLC	OLD PAY PAY	

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Date

April 10, 2017

Endnotes for Data Matrix for UPL Delaware, Inc. UPI Methoxyfenozide Technical

- ¹ **850.2100** – The study cited was classified as acceptable and satisfies the data requirement as per the Sept. 16, 2015 Registration Review: Preliminary Environmental Fate and Ecological Risk Assessment Endangered Species Effects Determination for Methoxyfenozide (DP Barcode 427543) (EFED RA). Based on the April 25, 2013 Registration Review: Preliminary Problem Formulation for Environmental Fate, Ecological Risk, Endangered Species and Human Health Drinking Water Exposure Assessments for Methoxyfenozide (DP Barcode D404482) (Problem Formulation), passerine data did not appear to be required and are not cited.
- ² **850.2200** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ³ **850.2300** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁴ **850.1075** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁵ **850.1010** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁶ **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁷ **850.1300** – MRID 44617714 was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation. MRID 45032801, a supplemental study, is also cited.
- ⁸ **850.1350** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁹ **850.1400** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁰ **850.1400** – The study cited appears to satisfy the data requirement as per the EFED RA and Problem Formulation.
- ¹¹ **850.1500** – The study cited was classified as acceptable and satisfies the data requirement as per the Problem Formulation.
- ¹² **850.1710, 850.1730, 850.1850** – MRID 44617813 was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation. MRID 45702704 was submitted in response to a condition for registration and is also cited.
- ¹³ **850.3020** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁴ **Non-guideline** – The study cited was classified as supplemental but satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁵ **Non-guideline** – The study cited was classified as supplemental but satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁶ **850.3040** – The studies cited were referenced in the EFED RA and Problem Formulation.
- ¹⁷ **870.6100** – These data were not required as per the Sept. 8, 2015 Methoxyfenozide: Human Health Draft Risk Assessment for Registration Review and New Use Risk Assessment to Support the Registration of Proposed Use on Chives, and Crop Group Expansions for Stone Fruit and Tree Nuts (DP Barcodes D422208 and D427542) (Human Health RA).
- ¹⁸ **870.6200** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the May 10, 2013 Methoxyfenozide Human Health Assessment Scoping Document in Support of Registration Review (DP Barcode D408668) (Scoping Document).
- ¹⁹ **870.3100** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁰ **870.3150** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²¹ **870.3200** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document. Note: the MRID listed in the Scoping Document and Human Health RA appears to have been incorrectly cited (MRID 44517725 as opposed to 44617725); the correct MRID is cited.
- ²² **870.3250** – These data were not required as per Human Health RA.
- ²³ **870.3465** – These data were not required as per Human Health RA and the April 17, 2012 Methoxyfenozide: Summary of Hazard and Science Policy Council (HASPOC) Meeting of March 29, 2012: Recommendation on the Need for a 28-Day Inhalation Study (HASPOC).
- ²⁴ **870.6100** – These data were not required as per Human Health RA.

-
- ²⁵ **870.6200** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁶ **870.4100** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁷ **870.4200** – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ²⁸ **870.3700** – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ²⁹ **870.3800** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁰ **870.6300** – These data were not required as per Human Health RA.
- ³¹ **870.5100** – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ³² **870.5300, 870.5375** – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ³³ **870.5385, 870.5395, 870.5450, 870.5550** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁴ **870.7485** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁵ **870.7600** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁶ **870.7800** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁷ **875.1100, 875.1300** – UPI is a licensee in good standing with the Agricultural Handler Exposure Task Force.
- ³⁸ **875.2100** – Although these data are not required as per the Scoping Document, a dislodgeable residue study is cited.
- ³⁹ **875.2200, 875.2400, 875.2500** – UPI is a member in good standing with the Outdoor Residential Exposure Task Force and the Agricultural Re-Entry Task Force.
- ⁴⁰ **201-1, 202-1** – UPI is a member in good standing with the Spray Drift Task Force.
- ⁴¹ **850.4100** – No data have been submitted, nor were data required in the EFED RA or the Problem Formulation.
- ⁴² **850.4150** – No data have been submitted, nor were data required in the EFED RA or the Problem Formulation.
- ⁴³ **850.4400, 850.5400** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁴ **835.2120** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁵ **835.2240** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁶ **835.2410** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁷ **835.4100** – Although the studies cited were classified as supplemental, they satisfy the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁴⁸ **835.4200** – These data were not required as per the Problem Formulation.
- ⁴⁹ **835.4300** – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵⁰ **835.4400** – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵¹ **835.1230** – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵² **835.1410** – These data were not required as per the Problem Formulation.
- ⁵³ **835.8100** – These data were not required as per the Problem Formulation.
- ⁵⁴ **835.6100** – Although the studies cited were classified as supplemental, they satisfy the data requirement and no further data were required as per the EFED RA and Problem Formulation. MRID 44617827, a soil storage stability study, is also cited.
- ⁵⁵ **835.7100** – These data were not required as per the Problem Formulation.
- ⁵⁶ **850.6100** – The studies cited appear to satisfy the data requirement as per the EFED RA.

From: Ann Tillman
To: Rate, Debra
Cc: Walsh, Michael
Subject: RE: 91813-T
Date: Wednesday, May 03, 2017 9:16:13 AM

Thank you!

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]
Sent: May 03, 2017 8:17 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T

Hi, Ann-

There was no CBI in the Acute Tox. review, so I have attached the review to this email. The Product Chemistry review has been sent to you through the US Postal Service. Please let me know if you have any questions or need anything else at this time.

Thank you.
Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Tuesday, April 25, 2017 6:09 PM
To: Rate, Debra <Rate.Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T

Debra,

No problem...you can mail these documents to me. Thanks!

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]
Sent: April 25, 2017 3:02 PM
To: Ann Tillman <Ann@PyxisRC.com>

Cc: Walsh, Michael <Walsh.Michael@epa.gov>

Subject: RE: 91813-T

Hi, Ann-

I was out of the office most of last week. The reviews that I have are the product chemistry and the acute tox reviews. Please confirm how you would like for me to send them to you.

You requested below that I email them to you. However, the product chemistry review is marked as having confidential business information and email is not considered secure. Alternatively, I could have the reviews mailed out to you.

Please confirm your preference.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]

Sent: Tuesday, April 18, 2017 1:16 PM

To: Rate, Debra <Rate.Debra@epa.gov>

Cc: Walsh, Michael <Walsh.Michael@epa.gov>

Subject: RE: 91813-T

Thanks, Debra. When you have a chance, can you email me the reviews?

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]

Sent: April 18, 2017 12:55 PM

To: Ann Tillman <Ann@PyxisRC.com>

Cc: Walsh, Michael <Walsh.Michael@epa.gov>

Subject: FW: 91813-T

Hi, Ann-

Attached is the letter of registration and the stamped approved label for EPA Reg. No. 91813-7. Please let me know if you have any questions or concerns.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Rate, Debra
Sent: Monday, April 17, 2017 2:59 PM
To: 'Ann Tillman' <Ann@PyxisRC.com>; Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T

Hi, Ann-

Sorry for the delay. I will send the letter / label once our internal QA/QC is complete.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Monday, April 17, 2017 9:49 AM
To: Walsh, Michael <Walsh.Michael@epa.gov>; Rate, Debra <Rate.Debra@epa.gov>
Subject: RE: 91813-T

Mike and Debra,

I received the PRIA 7 tracking email so I assume the registration and label were approved on Friday. UPL is asking if the SAL and NOR are available yet. If so, please forward me a copy by email at your earliest convenience. Thanks!

Ann

From: Ann Tillman
Sent: April 14, 2017 6:47 AM
To: 'Walsh, Michael' <Walsh.Michael@epa.gov>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: RE: Page 4 ? FW: typo RE: 91813-T: Needed two minor revisions to the label.

Mike,

Sorry about that...page 4 wasn't supposed to be part of the label I sent you (it's our internal tracking for label changes). A copy without that page is attached for your files.

Ann

From: Walsh, Michael [<mailto:Walsh.Michael@epa.gov>]
Sent: April 14, 2017 6:34 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: Page 4 ? FW: typo RE: 91813-T: Needed two minor revisions to the label.

Hi Ann.

Because page 4 is numbered, it is being presented as part of the label.

I wanted to let you know that I will likely remove page 4 from the label because 1) it is not text being approved by the Agency with this action, 2) it should not be considered part of the product label, 3) it will not appear on the final printed label, and 4) it is confusing to have it as a numbered page.

I am leaving the office at 11:00amET this morning, so please let me know by as soon as possible if there is a reason why page 4 is numbered and included in your most recent resubmission.

Thanks.

Mike

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Thursday, April 13, 2017 6:20 PM
To: Walsh, Michael <Walsh.Michael@epa.gov>; Rate, Debra <Rate.Debra@epa.gov>
Subject: RE: typo RE: 91813-T: Needed two minor revisions to the label.

Typo was corrected.

Ann

From: Walsh, Michael [<mailto:Walsh.Michael@epa.gov>]
Sent: April 13, 2017 4:07 PM
To: Ann Tillman <Ann@PyxisRC.com>; Rate, Debra <Rate.Debra@epa.gov>
Subject: typo RE: 91813-T: Needed two minor revisions to the label.

Hi Ann.

We missed the typographical error appearing in the ENVIRONMENTAL HAZARDS section. Please replace "wiring" with "writing" and submit the label back to Debra and me as soon as possible so we can meet the PRIA Due Date of tomorrow. Thanks.

Michael Walsh
PM11/IVB2/RD

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in wiring prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]

Sent: Thursday, April 13, 2017 12:56 PM

To: Rate, Debra <Rate.Debra@epa.gov>

Cc: Walsh, Michael <Walsh.Michael@epa.gov>

Subject: RE: 91813-T: Needed two minor revisions to the label.

Debra,

These revisions were made to the attached label.

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]

Sent: April 13, 2017 11:03 AM

To: Ann Tillman <Ann@PyxisRC.com>

Cc: Walsh, Michael <Walsh.Michael@epa.gov>

Subject: RE: 91813-T: Needed two minor revisions to the label.

Hi, Ann-

Following Mike's review of the label, three additional edits were identified. Please revise the label as described below:

Page 2 – Please revised the statement “This product is to be used for formulation into insecticide products for the following uses:” to read “This product is to be used only for formulating insecticide products for the following uses:”.

Page 2 – Please revise the Hazards to Humans and Domestic Animals section, by adding the sentence “Wear protective eyewear.” This sentence should appear as the last sentence in the paragraph.

Page 3 – Per Chapter 12 of the Label Review Manual, replace “To the extent allowed by applicable law” as the first sentence in the second paragraph to read “To the extent consistent with applicable law” or “TO THE EXTENT CONSISTENT WITH APPLICABLE LAW”.

Please let me know if you have any questions or concerns.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [mailto:Ann@PyxisRC.com]
Sent: Wednesday, April 12, 2017 11:41 AM
To: Rate, Debra <Rate.Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T: Needed two minor revisions to the label.

Debra,

Changes were made. See attachment.

Ann

From: Rate, Debra [mailto:Rate.Debra@epa.gov]
Sent: April 12, 2017 11:31 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: 91813-T: Needed two minor revisions to the label.

Hi, Ann-

There are two additional revisions needed for the UPL Methoxyfenozide Technical Label.

1. In the ingredient statement: Please add a comma following Benzoic acid to read:

"Benzoic acid, 3-methoxy-2-methyl-,
2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide"

2. Please correct the typo on page 3 Under the heading Supersacks:

Revise Nonrefillabel to "Nonrefillable".

Please submit the changes today if possible, so that we can finish up the action.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: [Walsh, Michael](#)
To: [Ann Tillman](#)
Cc: [Rate, Debra](#)
Subject: RE: Page 4 ? FW: typo RE: 91813-T: Needed two minor revisions to the label.
Date: Friday, April 14, 2017 7:28:28 AM

Already removed page 4. So, no problem. Thank you.

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Friday, April 14, 2017 6:47 AM
To: Walsh, Michael <Walsh.Michael@epa.gov>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: RE: Page 4 ? FW: typo RE: 91813-T: Needed two minor revisions to the label.

Mike,

Sorry about that...page 4 wasn't supposed to be part of the label I sent you (it's our internal tracking for label changes). A copy without that page is attached for your files.

Ann

From: Walsh, Michael [<mailto:Walsh.Michael@epa.gov>]
Sent: April 14, 2017 6:34 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Rate, Debra <Rate.Debra@epa.gov>
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Thanks.

Mike

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Thursday, April 13, 2017 6:20 PM
To: Walsh, Michael <Walsh.Michael@epa.gov>; Rate, Debra <Rate.Debra@epa.gov>
Subject: RE: typo RE: 91813-T: Needed two minor revisions to the label.

Typo was corrected.

Ann

From: Walsh, Michael [<mailto:Walsh.Michael@epa.gov>]
Sent: April 13, 2017 4:07 PM
To: Ann Tillman <Ann@PyxisRC.com>; Rate, Debra <Rate.Debra@epa.gov>
Subject: typo RE: 91813-T: Needed two minor revisions to the label.

Hi Ann.

We missed the typographical error appearing in the ENVIRONMENTAL HAZARDS section. Please replace "wiring" with "writing" and submit the label back to Debra and me as soon as possible so we can meet the PRIA Due Date of tomorrow. Thanks.

Michael Walsh
PM11/IVB2/RD

ENVIRONMENTAL HAZARDS

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From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Thursday, April 13, 2017 12:56 PM
To: Rate, Debra <Rate.Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T: Needed two minor revisions to the label.

Debra,

These revisions were made to the attached label.

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]
Sent: April 13, 2017 11:03 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T: Needed two minor revisions to the label.

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Following Mike's review of the label, three additional edits were identified. Please revise the label as described below:

Page 2 – Please revised the statement “This product is to be used for formulation into insecticide products for the following uses:” to read “This product is to be used only for formulating insecticide products for the following uses:”.

Page 2 – Please revise the Hazards to Humans and Domestic Animals section, by adding the sentence “Wear protective eyewear.” This sentence should appear as the last sentence in the paragraph.

Page 3 – Per Chapter 12 of the Label Review Manual, replace “To the extent allowed by applicable law” as the first sentence in the second paragraph to read “To the extent consistent with applicable law” or “TO THE EXTENT CONSISTENT WITH APPLICABLE LAW”.

Please let me know if you have any questions or concerns.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Wednesday, April 12, 2017 11:41 AM
To: Rate, Debra <Rate.Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T: Needed two minor revisions to the label.

Debra,

Changes were made. See attachment.

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]
Sent: April 12, 2017 11:31 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: 91813-T: Needed two minor revisions to the label.

Hi, Ann-

There are two additional revisions needed for the UPL Methoxyfenozide Technical Label.

1. In the ingredient statement: Please add a comma following Benzoic acid to read:

"Benzoic acid, 3-methoxy-2-methyl-,
2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide"

2. Please correct the typo on page 3 Under the heading Supersacks:

Revise Nonrefillabel to "Nonrefillable".

Please submit the changes today if possible, so that we can finish up the action.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Walsh, Michael
To: Rate, Debra
Subject: signed and stamped. RE: 91813-T Conditional letter of registration
Date: Friday, April 14, 2017 8:27:01 AM
Attachments: 91813-7-20170414.pdf

Hi Debra.

Attached is the signed Notice of Registration and the stamped label for UPI's new Methoxyfenozide Technical product. Nice work. As follow-up.....

- Please check the signed notice and stamped label - - changed "Consultant" to "Agent"; Added "-1378" to the Data Call-in Notice; Changed "Attachment" to "Enclosure"; and removed page 4.
- Please send the action for QA/QC review by putting it in the Gatekeeper folder - PLEASE DO NOT SEND ANYTHING TO THE REGISTRANT UNTIL THIS ACTION CLEARS THE GATEKEEPER.
- Please make sure that the submission history - - emails from Ann Tillman showing dates and times of the resubmissions are in the jacket. At some point, these may be checked against our records in OPPIN.
- As appropriate, mention in your Note to File that the Container-Containment Team Leader, Nancy Fitz, confirmed the Container Handling language is acceptable.
- Please be sure ALL of your Data Comp research documents are in the jacket to support the decision. Please also be sure that my original documents checking the status of exclusive use, etc. are moved from the left side of the jacket to the back of the jacket.
- Please enter the recent label resubmissions, including the labels from yesterday, into OPPIN under your name.
- Please close the action in OPPIN.

Let me know if you have any questions.

Many thanks!

Mike

From: Rate, Debra
Sent: Friday, April 14, 2017 7:31 AM
To: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: 91813-T Conditional letter of registration

Mike-

Here is the letter.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman
To: Walsh, Michael; Rate, Debra
Subject: RE: typo RE: 91813-T: Needed two minor revisions to the label.
Date: Thursday, April 13, 2017 6:20:13 PM
Attachments: 091813-T 20170413 UPI Methoxyfenozide Technical Label.pdf

Typo was corrected.

Ann

From: Walsh, Michael [mailto:Walsh.Michael@epa.gov]
Sent: April 13, 2017 4:07 PM
To: Ann Tillman <Ann@PyxisRC.com>; Rate, Debra <Rate.Debra@epa.gov>
Subject: typo RE: 91813-T: Needed two minor revisions to the label.

Hi Ann.

We missed the typographical error appearing in the ENVIRONMENTAL HAZARDS section. Please replace "wiring" with "writing" and submit the label back to Debra and me as soon as possible so we can meet the PRIA Due Date of tomorrow. Thanks.

Michael Walsh
PM11/IVB2/RD

ENVIRONMENTAL HAZARDS

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From: Ann Tillman [mailto:Ann@PyxisRC.com]
Sent: Thursday, April 13, 2017 12:56 PM
To: Rate, Debra <Rate.Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T: Needed two minor revisions to the label.

Debra,

These revisions were made to the attached label.

Ann

From: Rate, Debra [mailto:Rate.Debra@epa.gov]
Sent: April 13, 2017 11:03 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>

Subject: RE: 91813-T: Needed two minor revisions to the label.

Hi, Ann-

Following Mike's review of the label, three additional edits were identified. Please revise the label as described below:

Page 2 – Please revised the statement “This product is to be used for formulation into insecticide products for the following uses:” to read “This product is to be used only for formulating insecticide products for the following uses:”.

Page 2 – Please revise the Hazards to Humans and Domestic Animals section, by adding the sentence “Wear protective eyewear.” This sentence should appear as the last sentence in the paragraph.

Page 3 – Per Chapter 12 of the Label Review Manual, replace “To the extent allowed by applicable law” as the first sentence in the second paragraph to read “To the extent consistent with applicable law” or “TO THE EXTENT CONSISTENT WITH APPLICABLE LAW”.

Please let me know if you have any questions or concerns.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]

Sent: Wednesday, April 12, 2017 11:41 AM

To: Rate, Debra <Rate.Debra@epa.gov>

Cc: Walsh, Michael <Walsh.Michael@epa.gov>

Subject: RE: 91813-T: Needed two minor revisions to the label.

Debra,

Changes were made. See attachment.

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]

Sent: April 12, 2017 11:31 AM

To: Ann Tillman <Ann@PyxisRC.com>

Cc: Walsh, Michael <Walsh.Michael@epa.gov>

Subject: 91813-T: Needed two minor revisions to the label.

Hi, Ann-

There are two additional revisions needed for the UPL Methoxyfenozide Technical Label.

1. In the ingredient statement: Please add a comma following Benzoic acid to read:

"Benzoic acid, 3-methoxy-2-methyl-,
2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide"

2. Please correct the typo on page 3 Under the heading Supersacks:

Revise Nonrefillabel to "Nonrefillable".

Please submit the changes today if possible, so that we can finish up the action.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman
To: [Rate, Debra](mailto:Rate.Debra@epa.gov)
Cc: [Walsh, Michael](mailto:Walsh.Michael@epa.gov)
Subject: RE: 91813-T
Date: Monday, April 10, 2017 6:49:57 AM
Attachments: [91813-T 20170410 8570-34.pdf](#)
[91813-T 20170410 8570-35 Agency.pdf](#)
[91813-T 20170410 8570-35 Public.pdf](#)

Debra,

Attached are the updated data matrices and EPA form 8570-34 for 91813-T.

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]
Sent: April 07, 2017 2:04 PM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T

Hi, Ann-

Thank you taking the time this morning to discuss with me the action for 91813-T, and for submitting the revised label, so quickly after the call. Please send the Certification and revised data matrix together on Monday.

Thanks again for your help and quick response.
Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Friday, April 07, 2017 1:51 PM
To: Rate, Debra <Rate.Debra@epa.gov>
Subject: 91813-T

Hi, Debra,

I've made the changes to the label. Copies of the changes tracked version and a clean version are attached. UPL agreed to add the 4 studies to the data matrix. We have prepared the offer-to-pay letter which will go out today. I can't sign the certification until Monday (when the OTP letter will be received by Dow). Is it okay if I send the Certification and revised data matrix to you then? Another option: I could send you the matrix today and the Certification on Monday. Let me know what works for you. Thanks!

Ann

*Ann M. Tillman, Ph.D.
Pyxis Regulatory Consulting, Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332
Office (253) 853-7369
Fax (253) 853-5516
Email Ann@PyxisRC.com*

From: Rate, Debra
To: Ann Tillman
Cc: McChesney, Gary; Walsh, Michael; Janelle Kay
Subject: Re: 91813-T; D-514215
Date: Friday, February 03, 2017 3:52:14 PM

Hi, Ann-

Thank you very much for sending this email to us. I will be in touch if I have any questions regarding the data matrix, etc.

Thanks again.

Debra

From: Ann Tillman <Ann@PyxisRC.com>
Sent: Thursday, February 2, 2017 4:18 PM
To: Rate, Debra
Cc: McChesney, Gary; Walsh, Michael; Janelle Kay
Subject: 91813-T; D-514215

Debra,

UPL Delaware, Inc. requests that the PRIA date for UPI Methoxyfenozide Technical (91813-T; D-514215) be extended to April 14, 2017. Please contact me or Janelle (Janelle@PyxisRC.com) with any questions you have. Thanks!

Ann

*Ann M. Tillman, Ph.D.
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Gig Harbor, WA 98332
Office (253) 853-7369
Fax (253) 853-5516
Email Ann@PyxisRC.com*

From: Ann Tillman
To: Rate, Debra
Cc: McChesney, Gary; Walsh, Michael; Janelle Kay
Subject: 91813-T; D-514215
Date: Thursday, February 02, 2017 4:18:47 PM

Debra,

UPL Delaware, Inc. requests that the PRIA date for UPI Methoxyfenozide Technical (91813-T; D-514215) be extended to April 14, 2017. Please contact me or Janelle (Janelle@PyxisRC.com) with any questions you have. Thanks!

Ann

Ann M. Tillman, Ph.D.
Pyxis Regulatory Consulting, Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332
Office (253) 853-7369
Fax (253) 853-5516
Email Ann@PyxisRC.com

From: Rate, Debra
To: Ann Tillman
Cc: Walsh, Michael
Subject: 91813-T: email agreeing to a renegotiation of the PRIA date
Date: Thursday, February 02, 2017 3:00:00 PM

Hi, Ann-

Thank you for agreeing to renegotiate the PRIA date for 91813-T (UPI Methoxyfenozide Technical). When sending your email agreement for the renegotiation, please also include the product name, File Symbol, decision number (Decision # 514215) as well as proposed new PRIA date.

Thank you as well for the offer to discuss the data matrix further if questions arise or remain.
Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman
To: [Rate, Debra](mailto:Rate,Debra)
Cc: [Walsh, Michael](mailto:Walsh,Michael)
Subject: RE: 91813-T. Status.
Date: Wednesday, February 01, 2017 4:36:32 PM

Great. Thanks!

Ann

From: Rate, Debra [<mailto:Rate,Debra@epa.gov>]
Sent: February 01, 2017 4:35 PM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T. Status.

Hi, Ann-

That's great. I'm not sure if we will be in an office or conference room, so I will set up the following conference line for 2:00 pm (Eastern Time) on 2/2/2017.

Phone: [REDACTED]
Code: [REDACTED]

Thank you.
Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Wednesday, February 01, 2017 4:27 PM
To: Rate, Debra <Rate,Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T. Status.

Debra,

Yes, that time works for us both. Do you want to call us (253-853-7369) or should we call you?

Ann

From: Rate, Debra [<mailto:Rate,Debra@epa.gov>]
Sent: February 01, 2017 2:19 PM

Personal privacy information

To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T. Status.

Hi, Ann-

1:00 pm is booked for us. Would 2:00 pm work for you and Janelle?

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Wednesday, February 01, 2017 12:22 PM
To: Rate, Debra <Rate.Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T. Status.

Debra,

Is 1:00 at all a possibility? I'd like to have my boss, Janelle Kay, on the call but she has a conflict at 12 but could be free for a 1:00 call. If 1:00 is not good, then I'll handle the call at 12:00.

Ann

*Ann M. Tillman, Ph.D.
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Office (253) 853-7369
Fax (253) 853-5516
Email Ann@PyxisRC.com*

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]
Sent: February 01, 2017 8:50 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: FW: 91813-T. Status.

Dear Ms. Tillman-

Following up with Michael Walsh's email of January 18, would you be available on Thursday (2/2/17)

at 12:00 pm (Eastern Time) for a short call to discuss this possible renegotiation and status of 91813-T?

Please let us know your availability for this call.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Walsh, Michael
Sent: Wednesday, January 18, 2017 1:10 PM
To: 'Ann Tillman' <Ann@PyxisRC.com>
Subject: 91813-T. Status.

Dear Ms. Tillman:

The Registration Division is reviewing your submission for a new technical methoxyfenozide product using selective data citation to support the registration.

Please note that reviewing the data citations for this action will likely take several months longer than initially expected.

As we continue with the review, I wanted to let you know that we will likely need to renegotiate the PRIA due date of 2/13/2017 with you.

I will be in touch in the next few weeks.

Thanks.

Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs
U.S. EPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Note to File

Date: April 14, 2017

Registration Number: 91813-T

Decision Number: 514215

PM/RM Name: Mike Walsh / Debra Rate

Debra Rate
4/14/17

Background: Dow sent the PM an email describing how the registrant failed to pay for a set of 27 studies (see attached email) that Dow believes are required to support registration. After a great deal of research and consultation with EFED, HED, and PRD, the list of studies used to support label language and or risk determinations were whittled down to the following 4 studies that were used to support registration or risk determination (See list below). A spreadsheet of the studies is attached. 8 studies have not been reviewed by the Agency, and after consultation with OGC, it was determined that we can't require them to be cited on the data matrix of the new product if we do not know if or how the Agency will use the studies. They are not guideline studies.

1. **46606301** - Magnitude of the Residue of Methoxyfenozide in Plums
 - i. OCSPP Guideline 860.1500
 - ii. Condition of registration additional MOR studies Memo: D322948, D288924, D295721, D295680 6/2/09
2. **48938701** - Effects on Amphibian Metamorphosis Using *Xenopus laevis* Determined Under Flow-Through Conditions: Methoxyfenozide.
 - i. OCSPP Guideline 890.1100
 - ii. used to inform EFED DRA
3. **49731303** - Residues of Methoxyfenozide in Grapes (use pattern change)
 - i. OCSPP Guideline 860.1500
 - ii. If this study is not included on the Data Matrix, the technical label will be required to have a restriction for formulation into end-use products only labeled for 30 day PHI (3 applications).
4. **49672801** - Single dose honey bee larval study non-guideline but used in risk assessment
 - i. Non-guideline
 - ii. used to inform EFED DRA

It was communicated to the registrant that the 4 studies above were needed on the data matrix. They were added to the data matrix and resubmitted. A new Certification of offer to pay was also submitted.

Additional Notes: The citrus crop group on the Dow label is listed as Citrus Crop Group 10. The tolerances in the CFR are for fruit, citrus Group 10-10. The new technical label has citrus

fruit crop group 10-10. The studies cited for this group on the data matrix are for the representative crops of fruit, citrus 10-10. The product is not a me-too. It is only selective method of support.

Sought the expertise of FEAD in review of the container language on the label for supersacks. The Container-Containment Team Leader, Nancy Fitz, confirmed the Container Handling language is acceptable.

Decision:

This product is conditionally registered in accordance with FIFRA section 3(c)7(A).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Note to File

Date: April 14, 2017

Registration Number: 91813-T

Decision Number: 514215

PM/RM Name: Mike Walsh / Debra Rate

Mike Walsh
4/14/17

Background: Due to an update to the OPPIN software in preparation for PRIA IV, the renegotiated PRIA date that (under PRIA III standards) fell on 4/15/17 (Saturday), had to be manually changed to 4/14/17 in OPPIN to allow subsequent resubmissions to be entered.

Decision: PRIA date was manually changed to 4/14/17, even though the renegotiation paperwork describes the PRIA date to be 4/15/17.

Recommendation of Division Directors Negotiated Due Dates			
Decision #:514215		Registration #:91813-T	
<input type="checkbox"/> See page 2 for additional registration entries			
Chemical Name: Methoxyfenozide			
Fee Category: R334		PRIA Decision Time Frame: 11 months	
Submitted by: Debra		Rate	Branch: OCSPP/OPP/RD Date: 02/02/2017
Company: UPL Delaware Inc.			
Original PRIA Due Date: 02/13/2017		Proposed New PRIA Due Date: 04/15/2017	
Previous Negotiated Due Dates:			
Is the "Fix" in-house? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a		If not, date "Fix" expected:	
Negotiated Due Date Reason:			
Additional Data Required	<input type="checkbox"/> Product Chemistry <input type="checkbox"/> Efficacy	<input type="checkbox"/> Toxicology <input type="checkbox"/> Ecological	<input type="checkbox"/> Acute Tox <input type="checkbox"/> Residue <input checked="" type="checkbox"/> Other
Data Deficiencies	<input type="checkbox"/> Product Chemistry <input type="checkbox"/> Environmental	<input type="checkbox"/> Acute Tox <input type="checkbox"/> Ecological	<input type="checkbox"/> Efficacy <input type="checkbox"/> Labeling <input checked="" type="checkbox"/> Other
Late Risk Assessment	<input type="checkbox"/> Human Health <input type="checkbox"/> Ecological	<input type="checkbox"/> Toxicology <input type="checkbox"/> Not Submitted	
Interim Consideration	<input type="checkbox"/> Agency Initiated <input type="checkbox"/> Registrant Initiated		
<input type="checkbox"/> CSF <input type="checkbox"/> Impurities Review	<input type="checkbox"/> Public Process <input type="checkbox"/> Label	<input type="checkbox"/> Risk Issues Environmental <input type="checkbox"/> Administrative-FR Notice	<input type="checkbox"/> Risk Issues Human Health <input checked="" type="checkbox"/> Other – Comment Field
Summary of Deficiency Type(s): <input type="checkbox"/> Not Submitted (N) <input type="checkbox"/> Deficiencies (D)			
Product Chemistry: <input type="checkbox"/> Acute Tox: <input type="checkbox"/> Efficacy: <input type="checkbox"/> Labeling: <input type="checkbox"/> Ecological Data: <input type="checkbox"/> Other (describe): <input checked="" type="checkbox"/>			
<small>Selective Citation used. Must determine if cited data satisfies requirements and if other compensable studies need to be included on data matrix.</small>			
Describe Interactions with Company (describe when contacted and company's response including response to previous negotiated due dates): Company agrees to give the Agency an additional 60 days for the extensive research required to explore possible data compensation issues. The Agency explained in the call that more than 60 days may be needed.			
"75 Day" Letter sent? <input type="checkbox"/> Yes, Date sent <input checked="" type="checkbox"/> No and reason for none? <i>Add comments on page 2</i>			
Rationale for Proposed Due Date: Registrant offered 60 days, and it may be adequate time.			
Registrant notified that this is the last negotiation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not Applicable			
Approve: <input checked="" type="checkbox"/>		Disapprove: <input type="checkbox"/>	
If disapproved, action to be taken:			
OD or DOD Signature: CN=Richard Kelgwin/OU=DC/O=USEPA/C=US			Date: 02/07/2017

Decision #: 514215	Registration #: 91813-T	Petition #: NA

Issue(s) (describe in detail):

An extensive selective data cite-all was used to support this proposed registration. Dow, the data doer, alerted the Agency that they do not believe that they were offered appropriate compensation for all of the studies needed to support a registration. IVB2 needs additional time to coordinate with the science divisions to determine if the data citations (guideline, supplemental and/or non-guideline studies) identified by the data doer were used to support the uses on the proposed technical product label.

Comment(s):

A 75-Day letter was not required because there were no data deficiencies. Additional time is needed to settle significant data compensation citations to determine whether registration can be supported for this new product.

Audit Trail for

Recommendation of Division Directors Negotiated Due Dates

PDF Name: PRIAv5.pdf

Form Number: PRIA

Document Identifier: PRIA-17033150323-DR

SUBMITTED on 02/06/2017 at 11:21:23 AM by CN=Debra Rate/OU=DC/O=USEPA/C=US

APPROVED on 02/06/2017 at 11:37:45 AM by CN=Deborah McCall/OU=DC/O=USEPA/C=US

APPROVED on 02/07/2017 at 09:34:06 AM by CN=Meredith Laws/OU=DC/O=USEPA/C=US

APPROVED AND COMPLETED on 02/07/2017 at 09:43:22 AM by CN=Richard Keigwin/OU=DC/O=USEPA/C=US



FEE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

CONTAINS CONFIDENTIAL BUSINESS INFORMATION

DP Barcode No.: D432620 File Symbol No.: 91813-T Decision No.: 514215
PC Code: 121027 Company Name: UPL Delaware Inc.
Food Use: No Action Code: R 334 Product Name: UPI Methoxyfenozide Technical

Date: January 23, 2017

SUBJECT: Product Chemistry Review of the Manufacturing Use Product, UPI Methoxyfenozide Technical

FROM: Bruce F. Kitchens, Chemist
Chemistry, Inert and Toxicology Assessment Branch/RD (7505P)
Registration Division (7505P)

Bruce F. Kitchens
1/23/17
SPB 01/23/17

TO: RM #11, Richard Gebken/Katelynn King
Invertebrate and Vertebrate Branch 2
Registration Division (7505P)

INTRODUCTION:

The registrant, UPL Delaware Incorporated, is submitting an application for the registration of the new manufacturing use product, UPI Methoxyfenozide Technical. The active ingredient in this product is Methoxyfenozide at a label nominal concentration of 98.2% a.i. This product is intended for use in the manufacture of insecticide end-use products. In addition, the registrant states that this product is substantially similar to Methoxyfenozide Technical, EPA Reg. No. 62719-437. In support of this request, the registrant has submitted a basic Confidential Statement of Formula (CSF) dated 05 Feb 2016, a draft label, and product chemistry data contained in MRID#s 498206-01 thru 498206-16, 498206-23 and 498206-24. The Chemistry, Inerts and Toxicology Assessment Branch (CITAB) has been asked to review this submission.

SUMMARY OF FINDINGS:

CITAB has reviewed this submission and reports the following findings:

1. This product is produced from an integrated formulation system. This means that the product is the result of intended chemical reactions.
2. All impurities have been assayed and identified by the registrant. The registrant has not declared any impurities of toxicological concern in this product. All impurities have a nominal concentration and upper certified limits.
3. The nominal concentration of the active ingredient listed on the proposed CSF and the draft label are the same.

DP Barcode No.: D432620 File Symbol No.: 91813-T Decision No.: 514215
PC Code: 121027 Company Name: UPL Delaware Inc.
Food Use: No Action Code: R 334 Product Name: UPI Methoxyfenozide Technical

4. The draft label contains the appropriate storage and disposal statements.
5. The active ingredient's certified limits as proposed on the basic CSF are acceptable.

CONCLUSIONS:

CITAB has reviewed this submission and concludes the following:

1. The basic formula CSF for the proposed manufacturing use product, UPI Methoxyfenozide Technical dated 05 Feb 2016 is acceptable.
2. This submission satisfies the data requirements as specified in 40 CFR 158.320, 158.325, 158.330, 158.340, 158.345, 158.350, and 158.355 with respect to product identity and composition, description of materials used to produce the product, description of production process, discussion of formation of impurities, preliminary analysis, certified limits, and enforcement analytical method.
3. This submission satisfies the data requirements as specified in 40 CFR 158.310 with respect to physical and chemical properties with the exception of the storage stability and corrosion characteristics data requirements. A request for a waiver of these data requirements was submitted; however, the waiver was not granted. The registrant has the option of generating an accelerated storage stability (2 weeks at 54°C) and submitting to the agency.
4. This product has been determined to be substantially similar in composition to Methoxyfenozide Technical, EPA Reg. No. 62719-437 from a product chemistry standpoint only.

DP Barcode No.: D432620

File Symbol No.: 91813-T

Decision No.: 514215

PC Code: 121027

Company Name: UPL Delaware Inc.

Food Use: No

Action Code: R 334

Product Name: UPI Methoxyfenozide Technical

830.1550. Product Identity & Composition: (MRID No. 498206-01)

Common Name: Methoxyfenozide

Chemical Name (CAS): 3-methoxy-2-methylbenzoic acid 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide
(IUPAC): N-tert-butyl-N'-(3-methoxy-o-toloyl)-3,5-xylohydrazide

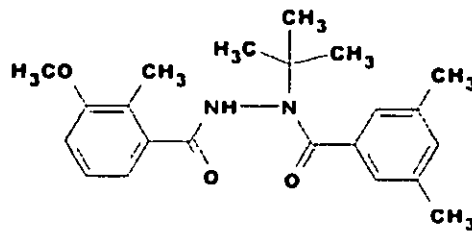
CAS No.: 161050-58-4

PC Code No.: 121027

Empirical formula: $C_{22}H_{28}N_2O_3$

Molecular Weight: 368.5

Structural formula:



Methoxyfenozide

DP Barcode No.: D432620

File Symbol No.: 91813-T

Decision No.: 514215

PC Code: 121027

Company Name: UPL Delaware Inc.

Food Use: No

Action Code: R 334

Product Name: UPI Methoxyfenozide Technical

Manufacturing process information may be entitled to confidential treatment

Table 1. Manufacturing and Impurity Data for Methoxyfenozide Technical				
GLN	Requirement	MRID	Status	Details and /or Deficiency
830.1550	Product Identity and Composition	498206-01	A	The nominal concentration of the active ingredient, 98.2% is supported by the 5-batch analysis and agrees with the label claim NC. [REDACTED] impurities ($\geq 0.1\%$) are listed on the CSF
830.1600	Description of Materials Used to Produce the Product	498206-01	A	The product specification sheets (MSDS) for all the starting materials have been provided by the registrant
830.1620	Description of Production Process	498206-01	A	The AI was produced in [REDACTED] integrated process. The production process has been described in full details. The reaction conditions, amounts of chemicals in each step, duration of time, and the yields in each step have been provided. The QA steps involved in each step have been described.
830.1670	Discussion of Formation of Impurities	498206-01	A	The registrant has provided the complete mechanisms of formation, quantification and identification of all the impurities present at the levels of $\geq 0.1\%$. Total of [REDACTED] impurities have been listed on the CSF including [REDACTED]. No toxic impurity was reported during the synthesis.
830.1700	Preliminary Analysis	498206-02	A	The registrant has provided 5-batch analysis for the TGAI. The AI & impurities were identified and quantified by using reversed phase HPLC/UV external standard quantitation. The methods were validated for accuracy, linearity, and precision. The LOQ and LOD for the AI & each impurity have been determined. The five batch analysis supported the CSF for basic formulation.
830.1750	Certified Limits	See basic CSF 2/5/16	A	The proposed certified limits for the AI & for the impurities are based on the five batch analytical results.
830.1800	Enforcement Analytical Method	498206-03	A	The reversed phase HPLC/UV method was used for the determination of the AI content in the TGAI/MUP by using external standard quantitation.
A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U = Up-grade (additional information required)				

DP Barcode No.: D432620

File Symbol No.: 91813-T

Decision No.: 514215

PC Code: 121027

Company Name: UPL Delaware Inc.

Food Use: No

Action Code: R 334

Product Name: UPI Methoxyfenozide Technical

830 Series Subgroup B (Physical-Chemical Properties)

Table 2: Physical and Chemical Properties of Methoxyfenozide Technical

GLN	Requirement	MRID	Status	Result or Deficiency																
830.6302	C o l o r	498206-04	A	White																
830.6303	Physical state	498206-04	A	Solid (powder)																
830.6304	Odor	498206-04	A	Weak, non-characteristic odor																
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	498206-05	A	Active ingredient content remained stable when exposed to normal and elevated temperatures, metals and metal ions after 14 days.																
830.6314	Oxidation/reduction: chemical incompatibility	498206-23	A	Product was compatible with oxidizing & reducing agents, water, iron powder, kerosene, water & potassium permanganate.																
830.6315	Flammability	498206-06	A	Product was not flammable after exposure to hot flame for 24 seconds. No smoldering noted after removal of flame.																
830.6316	Explosability	498206-07	A	Product determined to be non-explosive. No exothermic decomposition noted when heated to 430°C.																
830.6317	Storage stability		G	Applicant requested a waiver of this data requirement. A waiver is not granted.																
830.6319	Miscibility		N/A	Product not used around electrical equipment.																
830.6320	Corrosion characteristics		G	Applicant requested a waiver of this data requirement. A waiver is not granted.																
830.7000	pH	498206-08	A	6.73 ± 0.03 at 20.2°C																
830.7050	UV/Visible absorption	498206-09	A	<table><tr><td>pH</td><td>λ</td><td>A_{max}</td><td>ε</td></tr><tr><td>7.30</td><td>204.7</td><td>1.29442</td><td>60486.92</td></tr><tr><td>1.31</td><td>205.6</td><td>0.997817</td><td>47715.61</td></tr><tr><td>13.56</td><td>216.4</td><td>0.557137</td><td>27177.41</td></tr></table>	pH	λ	A _{max}	ε	7.30	204.7	1.29442	60486.92	1.31	205.6	0.997817	47715.61	13.56	216.4	0.557137	27177.41
pH	λ	A _{max}	ε																	
7.30	204.7	1.29442	60486.92																	
1.31	205.6	0.997817	47715.61																	
13.56	216.4	0.557137	27177.41																	
830.7100	Viscosity		N/A	Product is a solid.																
830.7200	Melting point	498206-10	A	207.5 to 210.1°C @ atmospheric pressure																
830.7220	Boiling point		N/A	Product is a solid																
830.7300	Density	498206-11	A	0.7307 ± 0.0368 @ 20 ± 0.5°C (specific gravity)																
830.7370	Dissociation constants in water	498206-12	A	The active ingredient does not dissociate between pH 3 and pH 10 and has no dissociation constant.																
830.7550	Partition coefficient	498206-13	A	Log P _{ow} = 3.83 ± 0.01																
830.7840	Water solubility:	498206-14 498206-24	A	0.002991 ± 0.000034 g/L @ 20 ± 1°C (pH5) 0.003021 ± 0.000024 g/L @ 20 ± 1°C (pH 7) 0.002988 ± 0.000059 g/L @ 20 ± 1°C (pH 9)																
830.7950	Vapor pressure	498206-15	A	3.63 x 10 ⁻⁵ Pa @ 20°C																

Y = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U = Up-grade (additional information required)

DP Barcode No.: D432620 File Symbol No.: 91813-T Decision No.: 514215
PC Code: 121027 Company Name: UPL Delaware Inc.
Food Use: No Action Code: R 334 Product Name: UPI Methoxyfenozide Technical

Enforcement Analytical Method: (MRID No. 498206-03)

This method is applicable for the determination of methoxyfenozide in TGAI or PAI. The technique consists of high performance liquid chromatography (HPLC) on reversed phase column (C18) employing ultraviolet detection at 205 nm. The method was validated for precision, accuracy, specificity, recovery and linearity. The LOD and LOQ were also determined.

Equipment & operating conditions:

HPLC Pump: High performance liquid chromatograph (HPLC) Shimadzu model LC-2010 CHT
Detector: UV detector operating at 205 nm
Column: C18, 250 mm x 4.6 mm id, 5 µm particle size
Eluent: Acetonitrile:Milli-Q water (70 : 30 v/v)
Flow rate: 1.0 ml/min
Injection volume: 20 µL

DP Barcode No.: D432620

File Symbol No.: 91813-T

Decision No.: 514215

PC Code: 121027

Company Name: UPL Delaware Inc.

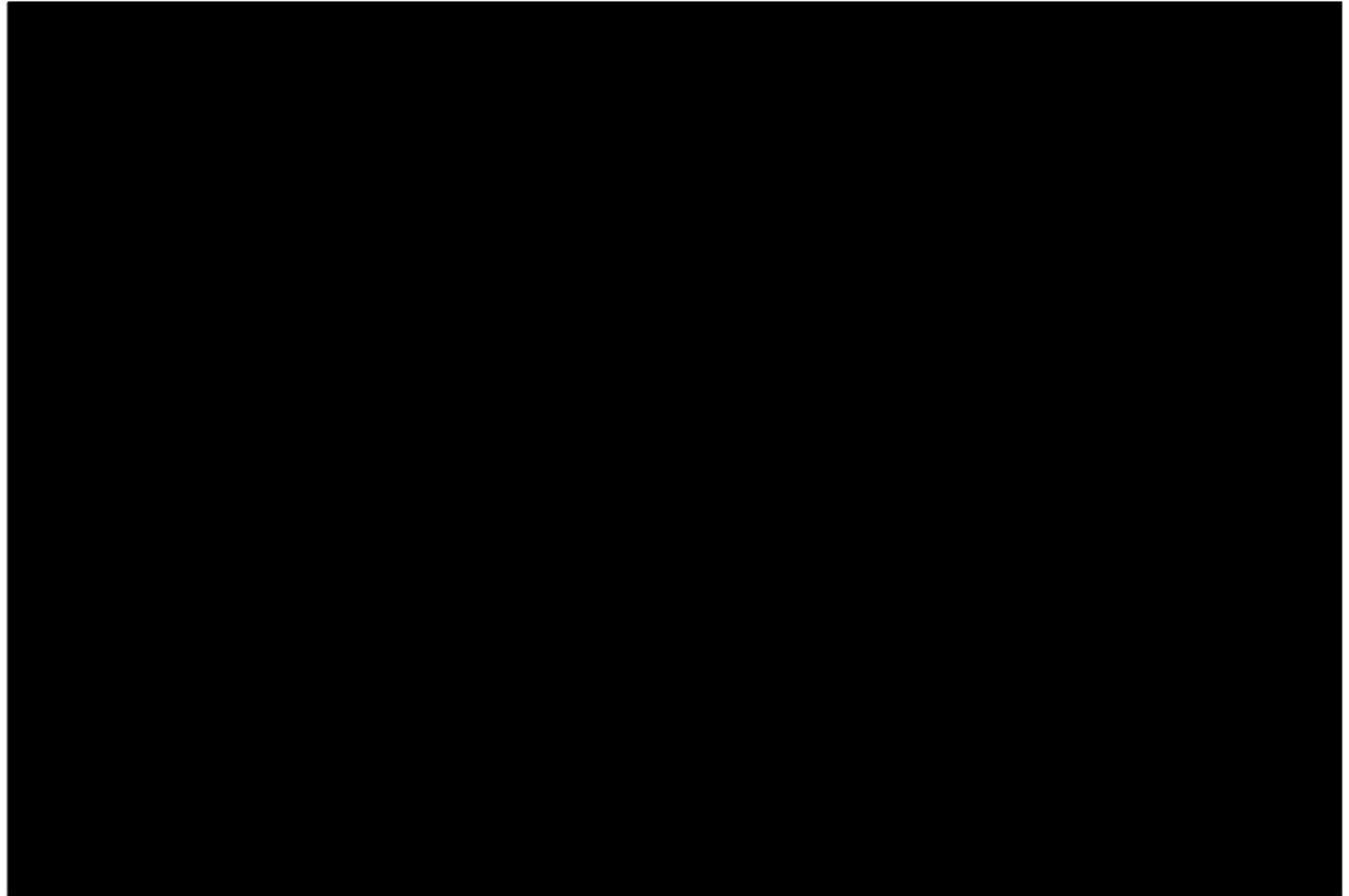
Food Use: No

Action Code: R 334

Product Name: UPI Methoxyfenozide Technical

CONFIDENTIAL APPENDIX

830.1600 Description of Materials Used to Produce the Product: (MRID No. 498206-01)



Manufacturing process information may be entitled to confidential treatment



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

DP BARCODE No.: D432620; FILE SYMBOL No.: 91813-T (screen); PRODUCT NAME: UPI Methoxyfenozide Technical; DECISION No.: 514215; PC Code(s): 121027; ACTION CODE: R334; FOOD Use: Yes

DATE OUT: April 4, 2016

SUBJECT: 45/90 day screen results for technical product "UPI Methoxyfenozide Technical"

FROM: Shyam Mathur, Product Chemistry Team Leader, CITAB / RD (7505P)

TO: Katelynn King / Richard Gebken, RM 11; I-V Branch 2 / RD (7505P)

Company Name: UPL Delaware Incorporation

Active Ingredient(s): Methoxyfenozide (98.2%)

MRID No(s): 49820601 to 49820616, 49820623 and 49820624

CONCLUSION:

Deficiencies: Yes

(if there are deficiencies they are indicated below each heading as Note 1, Note 2 Etc)

Group A: All data submitted

Group B: All data submitted, except for the guidelines 830.6317 & 830.6320.

Note 1. No data was submitted for the guidelines 830.6317 (storage stability) & 830.6320 (corrosion characteristics). The registrant has requested waivers. The waivers are not acceptable. The registrant must submit these two studies. The registrant has option to generate accelerated studies (2 weeks at 54°C) and submit the results to the Agency.

CSF: Basic CSF (dated 02-05-2016) submitted

DRAFT PRODUCT LABEL: Submitted

Note to PM: If the deficiencies are found in the screen results, please inform the registrant and bring back to the author of this report the corrected deficiencies in response to 10 day letter. The corrected deficiencies will be attached to the original bean, if the data package is still in CITAB. New Bean is required in case the bean has been closed by CITAB. Thank you.

Walsh, Michael

From: Walsh, Michael
Sent: Wednesday, January 18, 2017 1:10 PM
To: 'Ann Tillman'
Subject: 91813-T. Status.

Dear Ms. Tillman:

The Registration Division is reviewing your submission for a new technical methoxyfenozide product using selective data citation to support the registration.

Please note that reviewing the data citations for this action will likely take several months longer than initially expected.

As we continue with the review, I wanted to let you know that we will likely need to renegotiate the PRIA due date of 2/13/2017 with you.

I will be in touch in the next few weeks.

Thanks.

Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs
U.S. EPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND
POLLUTION PREVENTION

Office of Pesticide Programs
Registration Division (7505P)

October 3, 2016

MEMORANDUM DER for acute toxicity studies for UPI Methoxyfenozide Technical

Subject: Name of the Product: UPI Methoxyfenozide Technical
EPA File Symbol: 91813-T
DP Barcode: 432622
Decision No: 514215
Action Code: R334
PC Codes: 121027

From: Princess Campbell, DVM, MS, DACVPM
CITAB

Thru: Masih Hashim, PhD., Toxicology Team Leader
CITAB
Registration Division (7505P)

To: Richard Gebken/Katelynn King RM 11
Invertebrate- Vertebrate Branch 2
Registration Division (7505P)

Applicant: UPI Delaware INC
King of Prussia, PA 19406

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by weight</u>
Methoxyfenozide	98.2
<u>Other Ingredient(s):</u>	<u>1.8</u>
Total:	100.0

ACTION REQUESTED: "Please review all of the attached information and determine acceptability of new product 91813-T. Please provide the appropriate Precautionary Statements, First Aid information, and Tox profile..."

UPI Methoxyfenozide; Princess Campbell

BACKGROUND:

UPI Delaware INC has submitted a set of six acute toxicity studies, (MRID 49820617-49820622), to support the registration of 91813-T. The toxicity studies were performed by Jai Research Foundation, India in 2015.

Deficiencies: All studies are in compliance with EPA guidelines; any deficiency is not significant and does not affect the outcome of the study.

GLP: Yes.

RECOMMENDATIONS/FINDINGS:

The proposed basic CSF submitted for 91813-T must be reviewed and accepted by the product chemists in the Chemistry, Inerts and Toxicology Assessment Branch.

PRODUCT ID #: 091813-00007

PRODUCT NAME: UPI Methoxyfenozide Technical

PRECAUTIONARY STATEMENTS

SIGNAL WORD: CAUTION

Hazards to Humans and Domestic Animals:

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using the toilet, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Remove and wash contaminated clothing before reuse. Wear protective eyewear.

First Aid:

If on skin:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

DER for UPI Methoxyfenozide Technical - File Symbol 91813-T

1. DP BARCODE: 432622				
2. PC CODE: 121027				
3. CURRENT DATE: September 27, 2016				
4. TEST ARTICLE: Methoxyfenozide Technical Batch No. MFE-351/20141125; white coloured powder; pH 6.4				
Study/Species/Lab Study # /Date	MRID	Results	Tox Cat	Core Grade
Acute oral toxicity / rat / JRF /401-1-01-11660/11-16-2015 OECD No 425 OCSPP 870.1100	49820617	LD ₅₀ for females is found to be > 5000 mg/kg Normal body weight gain was observed for all three rats. Necropsy did not reveal any abnormality	IV	A
Acute dermal toxicity / rat / JRF /403-1-01-11661/11-16-2015 OECD No 402 OCSPP 870.1200	49820618	LD ₅₀ for male and females was considered to be > 2000 mg/kg No treatment related mortality, clinical signs and changes in body weight or necropsy findings were recorded.	III	A
Acute inhalation toxicity / rat / JRF /405-1-01-11662/11-14-2015 OECD No 403 OCSPP 870.1300	49820619	LC ₅₀ males and females was found to be >5.280 mg/L MMAD= 2.79 µm GSD= 2.79 No clinical sign was observed in rats. No mortality was observed. Necropsy did not reveal any abnormality.	IV	A
Primary eye irritation / rabbit / JRF /407-1-01-11664/11-14-2015 OCSPP 870.2400; OECD No 405	49820620	The test item caused conjunctival redness, score of 1, in all three rabbits. At 72h the treated eye of rabbit #2, and #3 recovered completely. Iritis and corneal opacity were not observed in all three rabbits.	III	A
Primary dermal irritation / rabbit / JRF /406-1-01-11663/11-14-2015 OECD No 404 OCSPP 870.2500	49820621	Non irritant The mean score for erythema/edema formation at 24, 48, 72 hrs were 0.33/0.0, 0.33/0.0, 0.33/0.0. No clinical signs were observed.	IV	A
Dermal sensitization / guinea pigs / JRF /408-1-01-11665/11-14-2015 OECD No 406 OCSPP 870.2600	49820622	Not a sensitizer α-hexylcinnamaldehyde was selected as the positive control, August 11, 2015.	--	A

Core Grade Key: A =Acceptable, S = Supplementary, U = Unacceptable, D = Data Gap

King, Katelynn

From: Hashim, Masih
Sent: Thursday, May 26, 2016 8:36 AM
To: King, Katelynn
Cc: Gebken, Richard
Subject: FW: 91813-T. Acute Tox 90 Day Screen Results

The screening test was completed two weeks back. I am surprised why I did not send you my memo. All documents are present in hard copy, except the ones in Documentum CSF, Label acute tox studies in listed, letter +
The package Passed Screening.

Thanks for reminding, I was on vacation for a week. mh

From: King, Katelynn
Sent: Thursday, May 26, 2016 7:08 AM
To: Hashim, Masih <Hashim.Masih@epa.gov>
Subject: 91813-T. Acute Tox 90 Day Screen Results

Hi Masih,

I am checking in on the screen due 5/20/16 for the new product Reg No. 91813-T (DP 432622).

Please let me know if the submission passed the screen.

Katelynn King
Biologist, Registration Division, IVB2 (7505P)
US Environmental Protection Agency
Office: (703) 347-0193



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

DP BARCODE No.: D432620; **FILE SYMBOL No.:** 91813-T (screen); **PRODUCT NAME:** UPI Methoxyfenozide Technical; **DECISION No.:** 514215; **PC Code(s):** 121027; **ACTION CODE:** R334; **FOOD Use:** Yes

DATE OUT: April 4, 2016

SUBJECT: 45/90 day screen results for technical product "UPI Methoxyfenozide Technical"

FROM: Shyam Mathur, Product Chemistry Team Leader, CITAB / RD (7505P)

TO: Katelynn King / Richard Gebken, RM 11; I-V Branch 2 / RD (7505P)

Company Name: UPL Delaware Incorporation
Active Ingredient(s): Methoxyfenozide (98.2%)
MRID No(s): 49820601 to 49820616, 49820623 and 49820624

CONCLUSION:

Deficiencies: Yes

(if there are deficiencies they are indicated below each heading as Note 1, Note 2 Etc)

Group A: All data submitted

Group B: All data submitted, except for the guidelines 830.6317 & 830.6320.

Note 1. No data was submitted for the guidelines 830.6317 (storage stability) & 830.6320 (corrosion characteristics). The registrant has requested waivers. The waivers are not acceptable. The registrant must submit these two studies. The registrant has option to generate accelerated studies (2 weeks at 54°C) and submit the results to the Agency.

CSF: Basic CSF (dated 02-05-2016) submitted

DRAFT PRODUCT LABEL: Submitted

Note to PM: If the deficiencies are found in the screen results, please inform the registrant and bring back to the author of this report the corrected deficiencies in response to 10 day letter. The corrected deficiencies will be attached to the original bean, if the data package is still in CITAB. New Bean is required in case the bean has been closed by CITAB. Thank you.

DATA PACKAGE BEAN SHEET

Date: 31-Mar-2016

Page 1 of 2

Decision #: 514215

DP #: (432622)

PRIA

Parent DP #:

Submission #: 981619

E-Sub #: 10114

*** Registration Information ***

Registration: 91813-T - UPI Methoxyfenozide Technical

Company: 91813 - UPL DELAWARE INC.

Risk Manager: RM 11 - Richard Gebken - (703) 305-6701 Room# PY1 S-7237

Risk Manager Reviewer: Katelynn King KKING04

Sent Date: _____

PRIA Due Date: 13-Feb-2017

Edited Due Date: _____

Type of Registration: Product Registration - Section 3

Action Desc: (R334) NEW PRODUCT;MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF

Ingredients: 121027, Methoxyfenozide(98.2%)

*** Data Package Information ***

Expedite: ☐ Yes ☒ No

Date Sent: 31-Mar-2016

Due Back: _____

DP Ingredient: 121027, Methoxyfenozide

DP Title: New Product Unregistered Source

CSF Included: ☐ Yes ☒ No

Label Included: ☐ Yes ☒ No

Parent DP #: _____

Assigned To

Date In

Date Out

Organization: RD / CITAB

Last Possible Science Due Date: 15-Dec-2016

Team Name: TOX

Science Due Date: _____

Reviewer Name: _____

Sub Data Package Due Date: _____

Contractor Name: _____

*** Studies Sent for Review ***

Printed on Page 2

*** Additional Data Package for this Decision ***

Can be printed on its own page

*** Data Package Instructions ***

90 DAY PRIA SCREEN RESULTS REQUESTED BY 5/20/16

CITAB Acute Toxicology: Please review all of the attached information and determine acceptability of new product 91813-T. Please provide the appropriate Precautionary Statements, First Aid information, and Tox profile. All submission materials are available in Documentum (Portal Submission #10114). Please let me know if you have any questions. Thanks. Katelynn King, RD/IVB2, Tel: 703-347-0193.

Attached please find:

- Registrant's cover letter and application both dated 2/18/16
- Basic CSF dated 2/5/16
- Proposed product label
- Data matrix and certification form

Chemistry MRIDs located in Document are: 49820617 through 49820622

DP#: (432622)

*** Studies Sent for Review *

Decision#: (514215)

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49820617		Chhimwal, R. (2015) Acute Oral Toxicity Study of Methoxyfenozide Technical in Rats: Final Report. Project Number: 401/1/01/11660. Unpublished study prepared by Jai Research Foundation. 51p.	870.1100/Acute Oral Toxicity	Pass (31-Mar-2016)
49820618		Chhimwal, R. (2015) Acute Dermal Toxicity of Methoxyfenozide Technical in Rats: Final Report. Project Number: 403/1/01/11661. Unpublished study prepared by Jai Research Foundation. 37p.	870.1200/Acute dermal toxicity	Pass (31-Mar-2016)
49820619		Verma, R. (2015) Acute Inhalation Toxicity Study of Methoxyfenozide Technical in Rats: Final Report. Project Number: 405/1/01/11662. Unpublished study prepared by Jai Research Foundation. 51p.	870.1300/Acute inhalation toxicity	Pass (31-Mar-2016)
49820620		Bhimani, V. (2015) Acute Eye Irritation Study of Methoxyfenozide Technical in Rabbits: Final Report. Project Number: 407/1/01/11664. Unpublished study prepared by Jai Research Foundation. 39p.	870.2400/Acute eye irritation	Pass (31-Mar-2016)
49820621		Bhimani, V. (2015) Acute Dermal Irritation Study of Methoxyfenozide Technical in Rabbits: Final Report. Project Number: 406/1/01/11663. Unpublished study prepared by Jai Research Foundation. 35p.	870.2500/Acute dermal irritation	Pass (31-Mar-2016)
49820622		Verma, R. (2015) Skin Sensitisation Study of Methoxyfenozide Technical in Guinea Pigs [Guinea Pig Maximization Test]: Final Report. Project Number: 408/1/01/11665, 408/1/01/11700. Unpublished study prepared by Jai Research Foundation. 60p.	870.2600/Skin sensitization	Pass (31-Mar-2016)

JACKET
Decision #: 514215

DP #: (432620)

PRIA

Parent DP #:

Submission #: 981619

E-Sub #: 10114

DATA PACKAGE BEAN SHEET

Date: 31-Mar-2016

Page 1 of 2

*** Registration Information ***

Registration: 91813-T - UPI Methoxyfenozide Technical

Company: 91813 - UPL DELAWARE INC.

Risk Manager: RM 11 - Richard Gebken - (703) 305-6701 Room# PY1 S-7237

Risk Manager Reviewer: Katelynn King KKing04

Sent Date: _____

PRIA Due Date: 13-Feb-2017

Edited Due Date: _____

Type of Registration: Product Registration - Section 3

Action Desc: (R334) NEW PRODUCT;MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF

Ingredients: 121027, Methoxyfenozide(98.2%)

*** Data Package Information ***

Expedite: ☐ Yes ☒ No

Date Sent: 31-Mar-2016

Due Back: _____

DP Ingredient: 121027, Methoxyfenozide

DP Title: New Product Unregistered Source

CSF Included: ☐ Yes ☒ No

Label Included: ☐ Yes ☒ No

Parent DP #: _____

Assigned To

Date In

Date Out

Organization: RD / CITAB

Last Possible Science Due Date: 15-Dec-2016

Team Name: CHEM

Science Due Date: _____

Reviewer Name: _____

Sub Data Package Due Date: _____

Contractor Name: _____

*** Studies Sent for Review ***

Printed on Page 2

*** Additional Data Package for this Decision ***

No Additional Data Packages

*** Data Package Instructions ***

90 Day PRIA screen results requested by 5/20/16

CITAB Chemistry: Please review all of the attached information and determine acceptability of new product 91813-D. All submission materials are available in Documentum (Portal Submission #10114). Please let me know if you have any questions. Thanks. Katelynn King, RD/IVB2, Tel 703-347-0193.

Attached is the

- Registrant's cover letter and application both dated 2/18/16
- Basic CSF dated 2/5/16
- Data matrix and certification form
- Proposed product label

Chemistry MRIDs located in Documentum are: 49820601 through 49820616 + 49820623 + 49820624

DP#: (432620)

*** Studies Sent for Review

Decision#: (514215)

MRID	MRID Status	Citation Reference	Guideline	86-5/Status
49820601		Tillman, A. (2016) UPI Methoxyfenozide Technical - Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: UPI/201601. Unpublished study prepared by UPL Delaware Inc. 75p.	830.1550/Product Identity and composition	Pass (31-Mar-2016)
49820601		Tillman, A. (2016) UPI Methoxyfenozide Technical - Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: UPI/201601. Unpublished study prepared by UPL Delaware Inc. 75p.	830.1600/Description of materials used to produce the product	Pass (31-Mar-2016)
49820601		Tillman, A. (2016) UPI Methoxyfenozide Technical - Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: UPI/201601. Unpublished study prepared by UPL Delaware Inc. 75p.	830.1620/Description of production process	Pass (31-Mar-2016)
49820601		Tillman, A. (2016) UPI Methoxyfenozide Technical - Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: UPI/201601. Unpublished study prepared by UPL Delaware Inc. 75p.	830.1670/Discussion of formation of impurities	Pass (31-Mar-2016)
49820601		Tillman, A. (2016) UPI Methoxyfenozide Technical - Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: UPI/201601. Unpublished study prepared by UPL Delaware Inc. 75p.	830.1750/Certified limits	Pass (31-Mar-2016)
49820602		Amruskar, A. (2015) Preliminary Analysis of Five Representative Production Batches of Methoxyfenozide Technical Grade Active Ingredient (TGA) to Determine % Methoxyfenozide and to Quantify its Associated Impurities: Final Report. Project Number: 272/2/12/11433. Unpublished study prepared by Jai Research Foundation. 402p.	830.1700/Preliminary analysis	Pass (31-Mar-2016)
49820602		Amruskar, A. (2015) Preliminary Analysis of Five Representative Production Batches of Methoxyfenozide Technical Grade Active Ingredient (TGA) to Determine % Methoxyfenozide and to Quantify its Associated Impurities: Final Report. Project Number: 272/2/12/11433. Unpublished study prepared by Jai Research Foundation. 402p.	830.1800/Enforcement analytical method	Pass (31-Mar-2016)
49820603		Yenduri, G. (2015) Development and Validation of Analytical Method for Active Ingredient Analysis of Methoxyfenozide Technical: Final Report. Project Number: 233/2/12/11675. Unpublished study prepared by Jai Research Foundation. 51p.	830.1800/Enforcement analytical method	Pass (31-Mar-2016)
49820604		Suratwala, T. (2015) Appearance (Colour, Physical State and Odour) of Methoxyfenozide Technical: Final Report. Project Number: 201/2/11/11676. Unpublished study prepared by Jai Research Foundation. 23p.	830.6302/Color	Pass (31-Mar-2016)
49820604		Suratwala, T. (2015) Appearance (Colour, Physical State and Odour) of Methoxyfenozide Technical: Final Report. Project Number: 201/2/11/11676. Unpublished study prepared by Jai Research Foundation. 23p.	830.6303/Physical state	Pass (31-Mar-2016)
49820604		Suratwala, T. (2015) Appearance (Colour, Physical State and Odour) of Methoxyfenozide Technical: Final Report. Project Number: 201/2/11/11676. Unpublished study prepared by Jai Research Foundation. 23p.	830.6304/Odor	Pass (31-Mar-2016)

DP#: (432620)

*** Studies Sent for Review ***

Decision#: (514215)

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49820605		Desai, H. (2015) Determination of Stability of Methoxyfenozide Technical with and Without Metals and Metal Ions at Normal and Elevated Temperature: Final Report. Project Number: 235/2/11/11692, 233/2/12/11675. Unpublished study prepared by Jai Research Foundation. 70p.	830.6313/Stability to normal and elevated temperatures, metals, and metal ions	Pass (31-Mar-2016)
49820606		Patel, J. (2015) Flammability of Methoxyfenozide Technical: Final Report. Project Number: 213/2/11/12639. Unpublished study prepared by Jai Research Foundation. 23p.	830.6315/Flammability	Pass (31-Mar-2016)
49820607		Patel, J. (2015) Explodability of Methoxyfenozide Technical: Final Report. Project Number: 238/2/11/12638. Unpublished study prepared by Jai Research Foundation. 27p.	830.6316/Explodability	Pass (31-Mar-2016)
49820608		Suratwala, T. (2015) pH of Methoxyfenozide Technical: Final Report. Project Number: 210/2/11/11678. Unpublished study prepared by Jai Research Foundation. 23p.	830.7000/pH	Pass (31-Mar-2016)
49820609		Suratwala, T. (2015) UV-Visible Analysis of Methoxyfenozide Technical: Final Report. Project Number: 216/2/11/12539. Unpublished study prepared by Jai Research Foundation. 31p.	830.7050/UV/Visible absorption	Pass (31-Mar-2016)
49820610		Suratwala, T. (2015) Melting Point/Melting Range of Methoxyfenozide Purified: Final Report. Project Number: 202/2/11/11659. Unpublished study prepared by Jai Research Foundation. 26p.	830.7200/Melting point/melting range	Pass (31-Mar-2016)
49820611		Suratwala, T. (2015) Specific Gravity of Methoxyfenozide Technical: Final Report. Project Number: 236/2/11/11677. Unpublished study prepared by Jai Research Foundation. 28p.	830.7300/Density/relative density	Pass (31-Mar-2016)
49820612		Suratwala, T. (2015) Dissociation Constant of Methoxyfenozide Purified: Final Report. Project Number: 208/2/11/11656. Unpublished study prepared by Jai Research Foundation. 35p.	830.7370/Dissociation constants in water	Pass (31-Mar-2016)
49820613		Desai, H. (2015) Partition Coefficient (n-Octanol/Water) of Methoxyfenozide Purified: Final Report. Project Number: 209/2/11/11658, 233/2/12/11675. Unpublished study prepared by Jai Research Foundation. 55p.	830.7550/Partition coefficient (n-octanol/water), shake flask method	Pass (31-Mar-2016)
49820614		Moinuddin, M. (2015) Water Solubility of Methoxyfenozide Purified: Final Report, Project Number: 205/2/11/11657, 233/2/12/11675. Unpublished study prepared by Jai Research Foundation. 65p.	830.7840/Water solubility: Column elution method, shake flask method	Pass (31-Mar-2016)
49820615		Patel, J. (2015) Vapour Pressure of Methoxyfenozide Purified: Final Report. Project Number: 207/2/11/11655, 5874. Unpublished study prepared by Jai Research Foundation. 32p.	830.7950/Vapor pressure	Pass (31-Mar-2016)
49820616		Tillman, A. (2016) UPI Methoxyfenozide Technical Physical and Chemical Properties and Waiver Requests. Project Number: UPI/201602. Unpublished study prepared by UPL Delaware Inc. 6p.	830.6317/Storage stability	Pass (31-Mar-2016)
49820616		Tillman, A. (2016) UPI Methoxyfenozide Technical Physical and Chemical Properties and Waiver Requests. Project Number: UPI/201602. Unpublished study prepared by UPL Delaware Inc. 6p.	830.6319/Miscibility	Pass (31-Mar-2016)

DP#: (432620)

*** Studies Sent for Review

Decision#: (514215)

MRID	MRID Status	Citation Reference	Guideline	86-5 Status
49820616		Tillman, A. (2016) UPI Methoxyfenozide Technical Physical and Chemical Properties and Waiver Requests. Project Number: UPI/201602. Unpublished study prepared by UPL Delaware Inc. 6p.	830.6320/Corrosion characteristics	Pass (31-Mar-2016)
49820616		Tillman, A. (2016) UPI Methoxyfenozide Technical Physical and Chemical Properties and Waiver Requests. Project Number: UPI/201602. Unpublished study prepared by UPL Delaware Inc. 6p.	830.7100/Viscosity	Pass (31-Mar-2016)
49820616		Tillman, A. (2016) UPI Methoxyfenozide Technical Physical and Chemical Properties and Waiver Requests. Project Number: UPI/201602. Unpublished study prepared by UPL Delaware Inc. 6p.	830.7220/Boiling point/boiling range	Pass (31-Mar-2016)
49820616		Tillman, A. (2016) UPI Methoxyfenozide Technical Physical and Chemical Properties and Waiver Requests. Project Number: UPI/201602. Unpublished study prepared by UPL Delaware Inc. 6p.	830.7520/Particle size, fiber length, and diameter distribution	Pass (31-Mar-2016)
49820623		Patel, J. (2015) Oxidation/Reduction Properties of Methoxyfenozide Technical: Final Report. Project Number: 212/2/11/12640. Unpublished study prepared by Jai Research Foundation. 24p.	830.6314/Oxidizing or reducing action	Pass (31-Mar-2016)
49820624		Patel, J. (2015) Solubility of Methoxyfenozide Technical in Organic Solvents: Final Report. Project Number: 206/2/11/12641, 233/2/12/11675. Unpublished study prepared by Jai Research Foundation. 56p.	830.7840/Water solubility: Column elution method, shake flask method	Pass (31-Mar-2016)

Walsh, Michael

From: Downs, Teresa
Sent: Thursday, March 31, 2016 1:23 PM
To: Walsh, Michael
Subject: RE: 91813-T. MRIDs. Portal Submission # 10114.

Hi, Mike,

I have changed the status field for these studies to "PASS". Please let me know if you have any questions.

Regards,

Teresa Downs
Information Services Branch
Information Technology & Resources Management Division
(703)305-5363
Cubicle S-4910N

From: Walsh, Michael
Sent: Thursday, March 31, 2016 12:38 PM
To: Downs, Teresa <Downs.Teresa@epa.gov>
Subject: 91813-T. MRIDs. Portal Submission # 10114.

Hi Teresa.

For some reason, the studies in Documentum for this new product action still read 'Not reviewed'.

Attached are the screening forms and the Transmittal Memo listing the MRID numbers.

If possible, would you please resolve this discrepancy.

Please let me know.

As always, thank you for your help.

Mike, Tel: 308-2972



United States
Environmental Protection Agency
Washington, DC 20460

☒ Registration
☐ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 91813	2. EPA Product Manager M. Walsh	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) UPL Delaware, Inc./UPI Methoxyfenozide Technical	PM# 11	
5. Name and Address of Applicant (Include ZIP Code) UPL Delaware, Inc. c/o Pyxis Regulatory Consulting, Inc. 4110 136th St. Ct. NW Gig Harbor, WA 98332 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 62719-00437 Product Name Methoxyfenozide Technical	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input checked="" type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This application falls under Category R334 (53: New MUP product; unregistered source of technical; selective data citation).
The fee which has been paid is \$19,838.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	
* Certification must be submitted				<input type="checkbox"/> Plastic	
If "Yes" Unit Packaging wgt. No. per container			If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	PE lined
				<input checked="" type="checkbox"/> Other (Specify)	fiberboard drums
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container bulk		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Pyxis Regulatory Consulting, Inc.		Title Consultant		Telephone No. (Include Area Code) (253) 853-7369	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Consultant			
4. Typed Name Ann M. Tillman		5. Date Feb. 18, 2016			
Digitally signed by Ann M. Tillman DN: cn=Ann M. Tillman, o=Pyxis Regulatory Consulting, Inc., ou=Pyxis, email=Anne@PyxisRC.com, c=US Date: 2016.02.18 10:44:29 -05'00'					

DOCUMENTUM

PYXIS REGULATORY CONSULTING, INC.

4110 136th St. Ct. NW
Gig Harbor, WA 98332

Phone: 253-853-7369
Fax: 253-853-5516
www.PyxisRC.com

February 18, 2016

MRID 498206-00

ELECTRONIC SUBMISSION

Michael Walsh (PM 11)
Document Processing Desk (REGFEE)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

RE: UPL Delaware, Inc.
UPI Methoxyfenozide Technical (EPA File Symbol 91813-)
Application for New Pesticide Registration
PRIA Category R334

Dear Mr. Walsh,

On behalf of UPL Delaware, Inc., we are submitting an application for registration of UPI Methoxyfenozide Technical, a technical grade active ingredient. In support of this application, we submit the following documents:

1. Application for a New Pesticide Registration (EPA Form 8570-1)
2. Confidential Statement of Formula (EPA Form 8570-4)
3. Certification with Respect to Citation of Data (EPA Form 8570-34)
4. Agency Internal Use Copy of the Data Matrix (EPA Form 8570-35)
5. Public File Copy of the Data Matrix (EPA Form 8570-35)
6. One (1) Copy of the Proposed Labeling
7. Copy of the PRIA payment
8. Letter of Authorization
9. Product Specific Data:

MRID	Guideline No.	Study Title
49820601	830.1550, 830.1600, 830.1620, 830.1670, 830.1750	Tillman, A. M. UPI Methoxyfenozide Technical – Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits. <i>Contains Confidential Business Information.</i>
49820602	830.1700, 830.1800	Amruskar, A. S. Preliminary Analysis of Five Representative Production Batches of Methoxyfenozide Technical Grade Active Ingredient (TGAI) to Determine % Methoxyfenozide and to Quantify its Associated Impurities. <i>Contains Confidential Business Information.</i>
49820603	830.1800	Yenduri, G. Development and Validation of Analytical Method for Active Ingredient Analysis of Methoxyfenozide Technical.
49820604	830.6302, 830.6303, 830.6304	Suratwala, T. G. Appearance (Colour, Physical State and Odour) of Methoxyfenozide Technical.
49820605	830.6313	Desai, H. K. Determination of Stability of Methoxyfenozide Technical with and Without Metals and Metal Ions at Normal and Elevated Temperature.
49820606	830.6315	Patel, J. Flammability of Methoxyfenozide Technical.

MRID	Guideline No.	Study Title
49820607	830.6316	Patel, J. Explodability of Methoxyfenozide Technical.
49820608	830.7000	Suratwala, T. G. pH of Methoxyfenozide Technical.
49820609	830.7050	Suratwala, T. G. UV-Visible Analysis of Methoxyfenozide Technical.
49820610	830.7200	Suratwala, T. G. Melting Point/Melting Range of Methoxyfenozide Purified.
49820611	830.7300	Suratwala, T. G. Specific Gravity of Methoxyfenozide Technical.
49820612	830.7370	Suratwala, T. G. Dissociation Constant of Methoxyfenozide Purified.
49820613	830.7550	Desai, H. K. Partition Coefficient (n-Octanol/Water) of Methoxyfenozide Purified.
49820614	830.7840	Moinuddin, M. Water Solubility of Methoxyfenozide Purified.
49820615	830.7950	Patel, J. Vapour Pressure of Methoxyfenozide Purified.
49820616	830.6317, 830.6319, 830.6320, 830.7100, 830.7220, 830.7520	Tillman, A. M. UPI Methoxyfenozide Technical Physical and Chemical Properties and Waiver Requests.
49820617	870.1100	Chhimwal, R. Acute Oral Toxicity of Methoxyfenozide Technical in Rats.
49820618	870.1200	Chhimwal, R. Acute Dermal Toxicity of Methoxyfenozide Technical in Rats.
49820619	870.1300	Verma, R. Acute Inhalation Toxicity of Methoxyfenozide Technical in Rats.
49820620	870.2400	Bhimani, V. Acute Eye Irritation Study of Methoxyfenozide Technical in Rabbits.
49820621	870.2500	Bhimani, V. Acute Dermal Irritation Study of Methoxyfenozide Technical in Rabbits.
49820622	870.2600	Verma, R. Skin Sensitisation Study of Methoxyfenozide Technical in Guinea Pigs [Guinea Pig Maximization Test].
49820623	830.6314	Patel, J. Oxidation/Reduction Properties of Methoxyfenozide Technical.
49820624	CIPAC MT 181 (830.7840)	Patel, J. Solubility of Methoxyfenozide Technical in Organic Solvents.

UPL Delaware, Inc. is using the selective method of support. As per EPA's interpretations of 40 CFR Parts 152.86(b)(2)(i) and 152.93(b)(2)(i), UPL Delaware, Inc. submitted notices of intent to apply and offers to pay to the extent required by FIFRA § 3(c)(1)(F). This action falls under Category R334 (53: New manufacturing use product; unregistered source of active ingredient; selective citation of data). The fee due which has been paid is \$19,838.

We trust you will find this application complete. However, please feel free to contact me ((253) 853-7369, Ann@PyxisRC.com) if you have any questions or need any additional information.

Sincerely,



Ann M. Tillman
Consultant, United Phosphorus, Inc.

Enclosures
cc: D. Olson, UPL Delaware, Inc.

Walsh, Michael

From: Hughes, Jenn (J) <JLHughes@dow.com>
Sent: Monday, July 25, 2016 11:57 AM
To: Walsh, Michael
Subject: Methoxyfenozide - Data compensation

91813-T
DUE: 2/13/17

Hello Mike;

I hope you are doing well. We are currently in negotiations with a generic company on data compensation for our technical active ingredient Methoxyfenozide (62719-437). The company has provided us an offer to pay for 28 of our studies to support the technical registration, but they indicated they will not pay for 27 other studies that we believe are required to have a full technical registration for methoxyfenozide. At this time, the company will not share with us the data they have cited to EPA for their technical registration, so we are unaware of whether they have included the additional 27 studies in their package without offer of compensation. I understand that you cannot discuss registrations of other companies' molecules with us, but I was hoping I could provide you with the list below of the 27 studies that the generic is not providing data compensation on for your consideration, as we believe that these 27 studies are essential for the continued registration of methoxyfenozide, and therefore require to be considered and cited when registering a new technical. Some of these studies are those that were required to be done by EPA for conditions of registration and registration review in order to maintain our technical registration, while other studies were done to support establishment of tolerances on different crops. If a new technical is registered, or those crops are cited on the label, we feel that DAS should be compensated for the use of that supporting data. As well, the generic has also indicated they will not pay for any studies that support the use of the molecule within California (studies not listed below). Since we cannot tell what data was cited, and what is being proposed on the label, we are hoping that EPA will take this list of studies and the lack of offer to pay in consideration when evaluating the data package for a new generic source of methoxyfenozide.

Please let me know if you have any questions, or would like to discuss further.

Warm Regards,

Jenn

MRID	Citation	Submission Date	DAS Study ID	Reason For Sul
45373505	Bender, D. (2001) INTREPID Agricultural Insecticide (Methoxyfenozide): Justification for Tree Nut Use Label without Grazing Restrictions	3/30/2001	34-01-28	Petition for tol tree nut crop g almond hulls
45373501	Bender, D.; Castagner, M.; Dong, L.; Hazelton, G.; Long, J. (2001) INTREPID 80WSP and INTREPID 2F Agricultural Insecticides - Reduced Risk Rationale - Tree Nuts	3/30/2001	01R-1012	Petition for tol tree nut crop g almond hulls
45409401	Kaminski, E. (2001) Determination of Buffer Zone Distances for Ground and Aerial Applications of Methoxyfenozide Using AgDRIFT Modeling: Lab Project Number: 01R-1018. Unpublished study prepared by Rohm and Haas Company. 16 p.	5/14/2001	01R-1018	Revise buffer z
45652801	Mitchell, L.; Martin, K.; Beavers, J.; Jaber, M. (2001) RH-112,485 Technical: A Reproduction Study with the Northern Bobwhite Quail	4/9/2002	01RC-0091	Condition of re
45702702	Sousa, J. (2002) Methoxyfenozide (RH-2485) Technical: Effects on Early Life-Stage Molting and Growth in Red Swamp Crayfish (Procambarus clarkii)	6/18/2002	11267	Conditions of r

45702701	Deakynne, R. (2002) RH-2485 Long-Term Accumulation Study in Washington	6/18/2002	34-01-84	Conditions of r
Admin	Bargar, E. (2003) Methoxyfenozide in or on Soybean Seed, Soybean Forage, Soybean Hay and Soybean Processed Products: Sections E, F, and G of the Petition for Permanent Tolerance	10/17/2003	GH-C 5685	PP3F6794
46153801	Kaminski, B. (2003) Methoxyfenozide - Reduced Risk Rationale - Soybeans Follow-On Submission	10/17/2003	BJK101603	PP3F6794
46606301	Dolder, S.; Lindsay, D. (2005) Magnitude of the Residue of Methoxyfenozide in Plums	7/26/2005	40018	Conditions of r
48938701	Hicks, S. (2012) Effects on Amphibian Metamorphosis Using Xenopus laevis Determined Under Flow-Through Conditions: Methoxyfenozide. Project Number: 68327, 120082, 10/275236. Unpublished study prepared by ABC Laboratories, Inc., Experimental Pathology Laboratories. 103p.	9/13/2012	120082	Condition of re
48262203	Norman, S. (2012) Methoxyfenozide (Intrepid 2F): Risk Assessment for Honeybee Brood Based on Two New Studies	10/1/2012	SN260912	Condition of re
48962203	Norman, S. (2012) Methoxyfenozide (Intrepid 2F): Risk Assessment for Honeybee Brood Based on Two New Studies	10/1/2012	SN26912	Condition of re
49201703	Stein, R. (1998) RH-2485 Analytical Method for Water. Project Number: 34/98/25. Unpublished study prepared by Rohm and Haas Co., and Keystone Analytical Laboratories, Inc. 45p.	8/23/2013	34-98-25	Reg review
49201702	Havel, J.; Xu, A. (1998) Independent Laboratory Method Validation Trials of RH-2485 Analytical Method for Water. Project Number: 34/98/102, 34P/98/35, 980601. Unpublished study prepared by Keystone Analytical Laboratories, Inc. 32p.	8/23/2013	34P-98-35	Reg review
49201701	Hughes, J.; Rausch, D.; Shears, K.; Huang, R.; Bendall, J.; Laughlin, L. (2013) Dow AgroSciences Response to EPA's Methoxyfenozide Registration Review Docket EPA - HQ-OPP-2012-0663. Unpublished study prepared by Dow AgroSciences LLC. 45p.	8/23/2013	EPA-HQ-OPP-2012-0663	Reg review
49672801	Kramer, V.; Meregalli, G.; Barber, I.; Hughes, J. (2015) DAS White Paper Outlining Further Information on a 6(a)(2) Submitted to EPA Regarding Uncertainties and Issues with an OECD 237 Single Dose Honey Bee Larval Study on Methoxyfenozide	7/10/2015	JLH-07102015	Additional info 6(a)(2) per Pest Reevaluation D request
49731301	Phillips, A. (2015) Rationale for Decrease in Interval from Final Treatment to Harvest (PHI) for Methoxyfenozide on Tree Nuts, Crop Group 14-12	11/4/2015	151100	Reduce PHI on nuts, alfalfa
49731302	Gartner, V. (2015) Rationale for Decrease in Interval From Final Treatment to Harvest (PHI) for Methoxyfenozide on Nongrass Animal Feeds, Forage, Fodder, Hay and Straw, Crop Group 18	11/4/2015	151179	Reduce PHI on nuts, alfalfa
49731303	Devine, J.; Cenni, M. (2012) Residues of Methoxyfenozide in Grapes	11/4/2015	110318	Reduce PHI on nuts, alfalfa
49836401	Schramel, O. (1999) Dissipation of RH 2485 (240 SC) in Soil Under Field Conditions (France, Germany, Great Britain, Italy)	2/11/2016	34-99-181	Methoxyfenozi
49836402	VanHooser, A. (2014) Methoxyfenozide Technical: Acute Toxicity to the Freshwater Midge, Chironomus riparius, Determined Under Static Test Conditions	2/11/2016	140476	Methoxyfenozi
49836403	Knowles, S. (2014) Modelling the Kinetics of the Field Dissipation of Methoxyfenozide Using a Q10-2.58 - EU Northern and Southern Zone	2/11/2016	141095	Methoxyfenozi
49836404	Schafer, H. (1999) Calculation of DT-50 Values of RH 2485 Based on Results of a Water-Sediment Study	2/11/2016	34-00-96	Methoxyfenozi
49836405	Nunez, M. (1999) Greenhouse Tests with RH-112485	2/11/2016	99-082	Methoxyfenozi
49836406	Dorgerloh, M. (1999) Herbicidal Screening Data for RH 2485 SC 240	2/11/2016	DOM 99077	Methoxyfenozi
49836407	Snelkus, J. (2002) Aerobic Degradation and Metabolism of RH2485 in the Water/Sediment System	2/11/2016	M1511182-9	Methoxyfenozi
49836408	Liss, D. (2014) Field Soil Dissipation Study of Methoxyfenozide on Bare Soil at 4 Different Sites in Europe, 2012-2014	2/11/2016	141071	Methoxyfenozi

Jennifer Hughes US Federal Regulatory Manager
Office: 317.337.7993 jlhughes@dow.com

Dow AgroSciences LLC
9330 Zionsville Road, Indianapolis, IN 46268

www.dowagro.com



Dow AgroSciences

| *Solutions for the Growing World*



UPL Delaware, Inc.
630 Freedom Business Center
Suite 402
King of Prussia, PA 19406

Tel: 610-491-2800
Fax: 610-491-2860

August 14, 2015

To Whom It May Concern:

RE: Letter of Authorization

Dear Sir or Madam:

Please let this letter serve to confirm that Pyxis Regulatory Consulting, Inc. is authorized to act as agent for UPL Delaware, Inc. (EPA Company Number [pending]), before the U.S. Environmental Protection Agency and state governmental agencies in all matters regarding our pesticide registrations pursuant to the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), 7 U.S.C. § 136 et seq. and state law.

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read 'M Palac'.

Madeline Palac
Treasurer/Director

cc: Pyxis Regulatory Consulting, Inc.

DOCUMENTUM



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number UPL Delaware, Inc. c/o Pyxis Regulatory Consulting 4110 136th St NW Gig Harbor WA 98332 253- 853-7369	EPA Registration Number/File Symbol 91813-
Active Ingredient(s) and/or representative test compound(s) Methoxyfenozide	Date Feb. 18, 2016
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) TGA!	Product Name UPI Methoxyfenozide Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Digitally signed by Ann M. Tillman DN: cn=Ann M. Tillman, o=Pyxis Regulatory Consulting, Inc., ou=Pyxis, email=Ann@PyxisRC.com, c=US Date: 2016.02.18 10:45:29 -05'00'	Date Feb. 18, 2016	Typed or Printed Name and Title Ann M. Tillman, Consultant
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.

WASHINGTON, D.C. 20460

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 1 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPL Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC					
830.1550	Product identity and composition	49820601	UPL Delaware, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	49820601	UPL Delaware, Inc.	OWN	
830.1620	Description of the Production Process	49820601	UPL Delaware, Inc.	OWN	
830.1650	Description of the Formulation Process				Not applicable for technical
830.1670	Discussion of Formation of Impurities	49820601	UPL Delaware, Inc.	OWN	
830.1700	Preliminary Analysis	49820602	UPL Delaware, Inc.	OWN	
830.1750	Certified Limits	49820601	UPL Delaware, Inc.	OWN	
830.1800	Enforcement Analytical Method	49820603	UPL Delaware, Inc. UPL Delaware, Inc.	OWN OWN	
830.6302	Color	49820604	UPL Delaware, Inc.	OWN	
830.6303	Physical State	49820604	UPL Delaware, Inc.	OWN	
830.6304	Odor	49820604	UPL Delaware, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	49820605	UPL Delaware, Inc.	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	49820623	UPL Delaware, Inc.	OWN	
830.6315	Flammability	49820606	UPL Delaware, Inc.	OWN	
830.6316	Explosibility	49820607	UPL Delaware, Inc.	OWN	
830.6317	Storage Stability	49820616	UPL Delaware, Inc.	OWN	PRN 92-5
830.6319	Miscibility	49820616	UPL Delaware, Inc.	OWN	Not applicable for TGA
830.6320	Corrosion Characteristics	49820616	UPL Delaware, Inc.	OWN	PRN 92-5
830.6321	Dielectric Breakdown Voltage				Not applicable for TGA

Signature

DOCUMENTUM

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 2 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000	pH	49820608	UPL Delaware, Inc.	OWN	
830.7050	UV/Visible Absorption	49820609	UPL Delaware, Inc.	OWN	
830.7100	Viscosity	49820616	UPL Delaware, Inc.	OWN	Not applicable to solids
830.7200	Melting Point/Melting Range	49820610	UPL Delaware, Inc.	OWN	
830.7220	Boiling Point/Boiling Range	49820616	UPL Delaware, Inc.	OWN	Not applicable to solids
830.7300	Density/Relative Density/Bulk Density	49820611	UPL Delaware, Inc.	OWN	
830.7370	Dissociation Constants in Water	49820612	UPL Delaware, Inc.	OWN	
830.7520	Particle size, fiber length, and diameter distribution	49820616	UPL Delaware, Inc.	OWN	Waiver. TGAI is not a fibrous material or water-insoluble
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49820613	UPL Delaware, Inc.	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	49820624 49820614	UPL Delaware, Inc. UPL Delaware, Inc.	OWN OWN	
830.7860	Water Solubility: Generator Column Method				See 830.7840
830.7950	Vapor Pressure	49820615	UPL Delaware, Inc.	OWN	
870.1100	Acute oral toxicity – rat	49820617	UPL Delaware, Inc.	OWN	
870.1200	Acute dermal toxicity – rat	49820618	UPL Delaware, Inc.	OWN	
870.1300	Acute inhalation toxicity – rat	49820619	UPL Delaware, Inc.	OWN	

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 3 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400	Eye irritation	49820620	UPL Delaware, Inc.	OWN	
870.2500	Skin irritation	49820621	UPL Delaware, Inc.	OWN	
870.2600	Skin sensitization	49820622	UPL Delaware, Inc.	OWN	
GENERIC DATA					
850.2100	Acute Avian Oral Toxicity	44144406		OLD	See endnote ¹
850.2200	Acute Avian Dietary Toxicity	44144407 44144408		OLD OLD	See endnote ²
850.2400	Wild Mammal Toxicity				Not required
850.2300	Avian Reproductive Toxicity	44617710 44617711 45652801		OLD OLD OLD	See endnote ³
850.2500	Simulated or Actual Field Testing				Not required
850.1075	Freshwater Fish Toxicity	44144409 44144410		OLD OLD	See endnote ⁴
850.1010	Freshwater Invertebrate Toxicity	44144411		OLD	See endnote ⁵
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	44144412 44144413 44144414		OLD OLD OLD	See endnote ⁶
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	44617714 45032801		OLD OLD	See endnote ⁷
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	44617715		OLD	See endnote ⁸
850.1400	Fish Early Life Stage (Freshwater)	44617713		OLD	See endnote ⁹
850.1400	Fish Early Life Stage (Saltwater)	44617712		OLD	See endnote ¹⁰

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 4 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1500	Life Cycle Fish	44617716		OLD	See endnote ¹¹
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	44617813 45702704	Dow AgroSciences LLC	OLD PAY	See endnote ¹²
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine	45032801 45702703	Dow AgroSciences LLC	OLD PAY	
850.3020	Honey Bee Acute Contact Toxicity	44144429		OLD	See endnote ¹³
Non-guideline	Honey Bee Subacute Dietary Toxicity	44617717		OLD	See endnote ¹⁴
Non-guideline	Honey Bee Brood Development	45065501		OLD	See endnote ¹⁵
850.3030	Honeybee Toxicity of Residues on Foliage				See 850.3040
850.3040	Field Testing for Pollinators	48962201 48962202	Dow AgroSciences LLC Dow AgroSciences LLC	PAY PAY	See endnote ¹⁶
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required ¹⁷
870.6200	Acute Neurotoxicity – Rat	44617802		OLD	See endnote ¹⁸
870.3100	90-Day Oral: Rodent	44617722		OLD	See endnote ¹⁹
870.3150	90-Day Oral: Non-Rodent	44617724		OLD	See endnote ²⁰
870.3200	21/28-Day Dermal Toxicity	44617725		OLD	See endnote ²¹
870.3250	90-Day Dermal Toxicity				Not required ²²
870.3465	90-Day Inhalation Toxicity				Not required ²³

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 5 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6100	28-Day Delayed Neurotoxicity Hen				Not required ²⁴
870.6200	90-Day Neurotoxicity	44617803		OLD	See endnote ²⁵
870.4100	Chronic Oral Rodent	44617731		OLD	See endnote ²⁶
870.4200	Carcinogenicity	44617731 44617729		OLD OLD	See endnote ²⁷
870.3700	Reproduction/Developmental Toxicity Screening Test	44638201 44617726		OLD OLD	See endnote ²⁸
870.3800	2-Generation Reproduction: Rat	44617727		OLD	See endnote ²⁹
870.6300	Developmental Neurotoxicity Study				Not required ³⁰
870.5100	Bacterial Reverse Mutation Test	44144428 44617733		OLD OLD	See endnote ³¹
870.5300, 870.5375	<i>In vitro</i> Mammalian Cell Assay	44617734 44617735		OLD OLD	See endnote ³²
870.5385, 870.5395, 870.5450, 870.5550	<i>In vivo</i> Cytogenetics and Other Effects	44617801		OLD	See endnote ³³
870.7485	Metabolism and Pharmacokinetics	44617804		OLD	See endnote ³⁴
870.7200	Companion Animal Safety				Not required
870.7600	Dermal Penetration	44638202		OLD	See endnote ³⁵
870.7800	Immunotoxicity	48592601	Dow AgroSciences LLC	PAY	See endnote ³⁶
875.1100	Dermal Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ³⁷
875.1200	Dermal Exposure - Indoor				Not required
875.1300	Inhalation Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ³⁷
875.1400	Inhalation Exposure - Indoor				Not required

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 6 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1500	Biological Monitoring				Not required
875.1600	Data Reporting and Calculations				Not required
875.1700	Product Use Information				Not required
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues	44626313		OLD	Not required ³⁸
875.2200	Soil Residue Dissipation		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2400	Dermal Exposure		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2500	Inhalation Exposure		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2600	Biological Monitoring				Not required
875.2700	Product Use Information				Not required
875.2800	Descriptions of Human Activity				Not required
875.2900	Data Reporting and Calculations				Not required
875.3000	Nondietary Ingestion Exposure				Not required
201-1	Droplet Size Spectrum		Spray Drift Task Force	OWN	See endnote ⁴⁰
202-1	Droplet Size Spectrum		Spray Drift Task Force	OWN	See endnote ⁴⁰
850.4100	Tier 1: Seedling Emergence				Not required ⁴¹
850.4150	Tier 1: Vegetative Vigor				Not required ⁴²
850.4400, 850.5400	Tier 1: Aquatic Plant Growth	44617718		OLD	See endnote ⁴³

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117




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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 7 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406		Product: UPI Methoxyfenozide Technical
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4100	Tier 2: Seedling Emergence				Not required ⁴¹
850.4150	Tier 2: Vegetative Vigor				Not required ⁴²
850.4400, 850.5400	Tier 2: Aquatic Plant Growth	44617718		OLD	See endnote ⁴³
850.4300	Terrestrial Field				Not required
850.4450	Aquatic Field				Not required
850.4025	Target Area Phytotoxicity				Not required
850.4550	Cyanobacteria Toxicity				Not required
835.2120	Hydrolysis	44144430		OLD	See endnote ⁴⁴
835.2240	Photodegradation in Water	44144431 44617805		OLD OLD	See endnote ⁴⁵
835.2410	Photodegradation in Soil	44617806		OLD	See endnote ⁴⁶
835.2370	Photodegradation in Air				Not required
835.4100	Aerobic Soil Metabolism	44617807 44617808 44144432		OLD OLD OLD	See endnote ⁴⁷
835.4200	Anaerobic Soil Metabolism				Not required ⁴⁸
835.4300	Aerobic Aquatic Metabolism	44617809		OLD	See endnote ⁴⁹
835.4400	Anaerobic Aquatic Metabolism	44617810		OLD	See endnote ⁵⁰
835.1230	Leaching/Adsorption/Desorption	44144433		OLD	See endnote ⁵¹
835.1410	Volatility – Laboratory				Not required ⁵²
835.8100	Volatility – Field				Not required ⁵³

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 8 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.6100	Soil Field Dissipation Study	44617811 44617812 44617827		OLD OLD OLD	See endnote ⁵⁴
835.6200	Aquatic Sediment Field Dissipation Study				Not required
835.6300	Forest Field Dissipation Study				Not required
835.6400	Combination and Tank Mixes				Not required
835.7100	Ground Water Monitoring				Not required ⁵⁵
Non-guideline	Surface Water Monitoring	49340301	Dow AgroSciences LLC	PAY	
850.6100	Environmental Chemistry Methods	47824201 47809902 47809903 49525701 49525702 49525703 49525704	Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC	PAY PAY PAY PAY PAY PAY PAY	See endnote ⁵⁶
860.1300	Nature of the Residue: Plants	44617816 44617817 44617818 44873405		OLD OLD OLD OLD	
860.1300	Nature of the Residue: Livestock	44617819 44617820		OLD OLD	
860.1850	Confined Rotational Crops	44617832		OLD	

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 9 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Residue Analytical Methods	44617821		OLD	
		44617822		OLD	
		44626303		OLD	
		44626304		OLD	
		44626305		OLD	
		44689101		OLD	
		44873410		OLD	
		44873411		OLD	
		45194701		OLD	
		45194702		OLD	
		45213502		OLD	
		45213503		OLD	
		45213504		OLD	
		45213505		OLD	
		45213506		OLD	
		45313302		OLD	
		45313303		OLD	
		45373502	Dow AgroSciences LLC	PAY	
		45373503	Dow AgroSciences LLC	PAY	
		46018002	Dow AgroSciences LLC	PAY	
860.1360	Multiresidue Method	46018003	Dow AgroSciences LLC	PAY	
		46018004	Dow AgroSciences LLC	PAY	
		46018005	Dow AgroSciences LLC	PAY	
		44617828	Dow AgroSciences LLC	OLD	
		46039301		PAY	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016



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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 10 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406		Product: UPI Methoxyfenozide Technical
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage Stability	44617825 44617826 44626306 44689102 45194703 45213507 45213508 45213509 45213510 45213511		OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: acerola	46879002	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: avocado	47135702	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: black sapote	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Brassica vegetables (Group 5)	44924303		OLD	
860.1500	Magnitude of the Residue in Plants: bushberries (Subgroup 13-07B)	46879002	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: caneberries (Subgroup 13-07A)	48994103	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: canistel	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Chilean guava	47135703	IR-4	PL	

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 11 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: citrus fruits (Group 10)	47556401 48145301 48402601	IR-4 IR-4 IR-4	PL PL PL	
860.1500	Magnitude of the Residue in Plants: corn	45213513		OLD	
860.1500	Magnitude of the Residue in Plants: cotton	44617829 44617830 44848610		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: cranberry (including high bush cranberry)	45651401	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: cucurbits (Group 9)	45795201 45800201 45805201	IR-4 IR-4 IR-4	PL PL PL	
860.1500	Magnitude of the Residue in Plants: dates	48994104	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: feijoa	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: fruiting vegetables (Group 8-10)	44873406 44873407		OLD OLD	
860.1500	Magnitude of the Residue in Plants: globe artichoke	45546901	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: grass forage, fodder and hay (Group 17)	46879004	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: green onion (Subgroup 3-07B)	47135701 49420201	IR-4 IR-4	PL PL	
860.1500	Magnitude of the Residue in Plants: guava	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: herbs (Subgroup 19A)	48994101 49420201	IR-4 IR-4	PL PL	

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 12 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: jaboticaba	44873408		OLD	
860.1500	Magnitude of the Residue in Plants: leafy vegetables (Group 4)	44924304 45870501 47912701 48481701 48499801	Dow AgroSciences LLC Dow AgroSciences LLC IR-4 IR-4	OLD PAY PAY PL PL	
860.1500	Magnitude of the Residue in Plants: legume vegetables (Group 6)	45795101 46153802 46160801 46160803 46160804 46182401 46879003 47556402	IR-4 Dow AgroSciences LLC IR-4 IR-4 IR-4 IR-4 IR-4 IR-4	PL PAY PL PL PL PL PL PL	
860.1500	Magnitude of the Residue in Plants: longan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: low growing berry (Group 13-07G)	46159301	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: lychee	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: mamey sapote	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: mango	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: nongrass forage, fodder, straw, and hay (Group 18)	46986201	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: papaya	46149801	IR-4	PL	

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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 13 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: passionfruit	44873408		OLD	
860.1500	Magnitude of the Residue in Plants: peanut	46879005	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: peppermint	46082601	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: pineapple	49108101	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: pome fruits (Group 11-10)	44626307 44626309 44626310 44626311 44626312 44848608 44848609		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: pistachios	45373504	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: pomegranate	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: popcorn	45213513		OLD	
860.1500	Magnitude of the Residue in Plants: pulasan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: rambutan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: root vegetables (Subgroup 1A, 1B)	46143401 46143402 46143403 48402602 48402603	IR-4 IR-4 IR-4 IR-4 IR-4	PL PL PL PL PL	
860.1500	Magnitude of the Residue in Plants: sapodilla	46149801	IR-4	PL	

Signature 	Name and Title Ann M. Tillman, Consultant	Date Feb. 16, 2016
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124



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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 14 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: small fruit vine climbing (except fuzzy kiwifruit) (Group 13-07F)	44873408		OLD	
860.1500	Magnitude of the Residue in Plants: sorghum (grain and sweet)	48994102	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: spearmint	46082601	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: star apple	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: star fruit	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: stone fruits (Crop 12-12)	45313304		OLD	
860.1500	Magnitude of the Residue in Plants: tree nuts (Group 14-12)	45373504	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: tuberous and corn vegetables (except potato) (Subgroup 1D)	46879001	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: wax jambu	44626307 44626309 44626310 44626311 44626312 44848608 44848609		OLD OLD OLD OLD OLD OLD OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date Feb. 16, 2016
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125



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DATA MATRIX

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Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: citrus	47556401 48145301 48402601	IR-4 IR-4 IR-4	PL PL PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: corn	45213514		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: cotton	44617831		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: tomato	44873406		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: soybean	46153802	Dow AgroSciences LLC	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: peanut	46879005	IR-4	PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: pineapple	49108101	Dow AgroSciences LLC	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: apple	44626311		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sorghum	48994102	IR-4	PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: grape	44873408		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: prune	45313304		OLD	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	44626308 45213512		OLD OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date Feb. 16, 2016
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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments				Not required
860.1900	Field Rotational Crops	45194704 45870502 46018001	Dow AgroSciences LLC Dow AgroSciences LLC	OLD PAY PAY	

Signature 	Name and Title Ann M. Tillman, Consultant	Date Feb. 16, 2016
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Endnotes for Data Matrix for UPL Delaware, Inc. UPI Methoxyfenozide Technical

- ¹ **850.2100** – The study cited was classified as acceptable and satisfies the data requirement as per the Sept. 16, 2015 Registration Review: Preliminary Environmental Fate and Ecological Risk Assessment Endangered Species Effects Determination for Methoxyfenozide (DP Barcode 427543) (EFED RA). Based on the April 25, 2013 Registration Review: Preliminary Problem Formulation for Environmental Fate, Ecological Risk, Endangered Species and Human Health Drinking Water Exposure Assessments for Methoxyfenozide (DP Barcode D404482) (Problem Formulation), passerine data did not appear to be required and are not cited.
- ² **850.2200** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ³ **850.2300** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁴ **850.1075** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁵ **850.1010** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁶ **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁷ **850.1300** – MRID 44617714 was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation. MRID 45032801, a supplemental study, is also cited.
- ⁸ **850.1350** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁹ **850.1400** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁰ **850.1400** – The study cited appears to satisfy the data requirement as per the EFED RA and Problem Formulation.
- ¹¹ **850.1500** – The study cited was classified as acceptable and satisfies the data requirement as per the Problem Formulation.
- ¹² **850.1710, 850.1730, 850.1850** – MRID 44617813 was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation. MRID 45702704 was submitted in response to a condition for registration and is also cited.
- ¹³ **850.3020** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁴ **Non-guideline** – The study cited was classified as supplemental but satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁵ **Non-guideline** – The study cited was classified as supplemental but satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁶ **850.3040** – The studies cited were referenced in the EFED RA and Problem Formulation.
- ¹⁷ **870.6100** – These data were not required as per the Sept. 8, 2015 Methoxyfenozide: Human Health Draft Risk Assessment for Registration Review and New Use Risk Assessment to Support the Registration of Proposed Use on Chives, and Crop Group Expansions for Stone Fruit and Tree Nuts (DP Barcodes D422208 and D427542) (Human Health RA).
- ¹⁸ **870.6200** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the May 10, 2013 Methoxyfenozide Human Health Assessment Scoping Document in Support of Registration Review (DP Barcode D408668) (Scoping Document).
- ¹⁹ **870.3100** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁰ **870.3150** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²¹ **870.3200** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document. Note: the MRID listed in the Scoping Document and Human Health RA appears to have been incorrectly cited (MRID 44517725 as opposed to 44617725); the correct MRID is cited.
- ²² **870.3250** – These data were not required as per Human Health RA.
- ²³ **870.3465** – These data were not required as per Human Health RA and the April 17, 2012 Methoxyfenozide: Summary of Hazard and Science Policy Council (HASPOC) Meeting of March 29, 2012: Recommendation on the Need for a 28-Day Inhalation Study (HASPOC).
- ²⁴ **870.6100** – These data were not required as per Human Health RA.

- ²⁵ 870.6200 – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁶ 870.4100 – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁷ 870.4200 – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ²⁸ 870.3700 – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ²⁹ 870.3800 – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁰ 870.6300 – These data were not required as per Human Health RA.
- ³¹ 870.5100 – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ³² 870.5300, 870.5375 – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ³³ 870.5385, 870.5395, 870.5450, 870.5550 – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁴ 870.7485 – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁵ 870.7600 – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁶ 870.7800 – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁷ 875.1100, 875.1300 – UPI is a licensee in good standing with the Agricultural Handler Exposure Task Force.
- ³⁸ 875.2100 – Although these data are not required as per the Scoping Document, a dislodgeable residue study is cited.
- ³⁹ 875.2200, 875.2400, 875.2500 – UPI is a member in good standing with the Outdoor Residential Exposure Task Force and the Agricultural Re-Entry Task Force.
- ⁴⁰ 201-1, 202-1 – UPI is a member in good standing with the Spray Drift Task Force.
- ⁴¹ 850.4100 – No data have been submitted, nor were data required in the EFED RA or the Problem Formulation.
- ⁴² 850.4150 – No data have been submitted, nor were data required in the EFED RA or the Problem Formulation.
- ⁴³ 850.4400, 850.5400 – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁴ 835.2120 – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁵ 835.2240 – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁶ 835.2410 – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁷ 835.4100 – Although the studies cited were classified as supplemental, they satisfy the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁴⁸ 835.4200 – These data were not required as per the Problem Formulation.
- ⁴⁹ 835.4300 – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵⁰ 835.4400 – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵¹ 835.1230 – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵² 835.1410 – These data were not required as per the Problem Formulation.
- ⁵³ 835.8100 – These data were not required as per the Problem Formulation.
- ⁵⁴ 835.6100 – Although the studies cited were classified as supplemental, they satisfy the data requirement and no further data were required as per the EFED RA and Problem Formulation. MRID 44617827, a soil storage stability study, is also cited.
- ⁵⁵ 835.7100 – These data were not required as per the Problem Formulation.
- ⁵⁶ 850.6100 – The studies cited appear to satisfy the data requirement as per the EFED RA.



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DATA MATRIX

Date: Feb. 16, 2016

EPA Reg No./ File Symbol: 91813-

Page 1 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
		Not applicable for technical
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	PRN 92-5
UPL Delaware, Inc.	OWN	Not applicable for TGAI
UPL Delaware, Inc.	OWN	PRN 92-5
		Not applicable for TGAI

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

130



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Page 2 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Not applicable to solids
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Not applicable to solids
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Waiver. TGAI is not a fibrous material or water-insoluble
	UPL Delaware, Inc.	OWN	
			See 830.7550
			See 830.7550
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
			See 830.7840
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016



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EPA Reg No./ File Symbol: 91813-

Page 3 of 18

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Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
UPL Delaware, Inc.	OWN	
	OLD	See endnote ¹
	OLD	See endnote ²
	OLD	
		Not required
	OLD	See endnote ³
	OLD	
	OLD	
		Not required
	OLD	See endnote ⁴
	OLD	
	OLD	See endnote ⁵
	OLD	See endnote ⁶
	OLD	
	OLD	See endnote ⁷
	OLD	
	OLD	See endnote ⁸
	OLD	See endnote ⁹
	OLD	See endnote ¹⁰

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

132



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EPA Reg No./ File Symbol: 91813-

Page 4 of 18

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630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
	OLD	See endnote ¹¹
Dow AgroSciences LLC	OLD PAY	See endnote ¹²
		Not required
		Not required
		Not required
Dow AgroSciences LLC	OLD PAY	
	OLD	See endnote ¹³
	OLD	See endnote ¹⁴
	OLD	See endnote ¹⁵
		See 850.3040
Dow AgroSciences LLC Dow AgroSciences LLC	PAY PAY	See endnote ¹⁶
		Not required ¹⁷
	OLD	See endnote ¹⁸
	OLD	See endnote ¹⁹
	OLD	See endnote ²⁰
	OLD	See endnote ²¹
		Not required ²²
		Not required ²³

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016



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EPA Reg No./ File Symbol: 91813-

Page 5 of 18

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King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
		Not required ²⁴
	OLD	See endnote ²⁵
	OLD	See endnote ²⁶
	OLD	See endnote ²⁷
	OLD	See endnote ²⁸
	OLD	See endnote ²⁹
		Not required ³⁰
	OLD	See endnote ³¹
	OLD	See endnote ³²
	OLD	See endnote ³³
	OLD	See endnote ³⁴
		Not required
	OLD	See endnote ³⁵
Dow AgroSciences LLC	PAY	See endnote ³⁶
Agricultural Handler Exposure TF	OWN	See endnote ³⁷
		Not required
Agricultural Handler Exposure TF	OWN	See endnote ³⁷
		Not required

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

134



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DATA MATRIX

Date: Feb. 16, 2016 EPA Reg No./ File Symbol: 91813- Page 6 of 18

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630 Freedom Business Center
King of Prussia, PA 19406 Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
			Not required
			Not required
			Not required
		OLD	Not required ³⁸
	Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
	Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
	Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
			Not required
			Not required
			Not required
			Not required
			Not required
	Spray Drift Task Force	OWN	See endnote ⁴⁰
	Spray Drift Task Force	OWN	See endnote ⁴⁰
			Not required ⁴¹
			Not required ⁴²
		OLD	See endnote ⁴³

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

135



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DATA MATRIX

Date: Feb. 16, 2016	EPA Reg No./ File Symbol: 91813-	Page 7 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
		Not required ⁴¹
		Not required ⁴²
	OLD	See endnote ⁴³
		Not required
		Not required
		Not required
		Not required
	OLD	See endnote ⁴⁴
	OLD	See endnote ⁴⁵
	OLD	
	OLD	See endnote ⁴⁶
		Not required
	OLD	See endnote ⁴⁷
	OLD	
	OLD	
		Not required ⁴⁸
	OLD	See endnote ⁴⁹
	OLD	See endnote ⁵⁰
	OLD	See endnote ⁵¹
		Not required ⁵²
		Not required ⁵³

Signature 	Name and Title Ann M. Tillman, Consultant	Date Feb. 16, 2016 136
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

401 M Street, S.W.

WASHINGTON, D.C. 20460

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DATA MATRIX

Date: Feb. 16, 2016

EPA Reg No./ File Symbol: 91813-

Page 8 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
		OLD OLD OLD	See endnote ⁵⁴
			Not required
			Not required
			Not required
			Not required ⁵⁵
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	See endnote ⁵⁶
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
		OLD OLD OLD OLD	
		OLD OLD	
		OLD	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

137



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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WASHINGTON, D.C. 20460

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Date: Feb. 16, 2016

EPA Reg No./ File Symbol: 91813-

Page 10 of 18

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King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

139



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Page 11 of 18

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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
IR-4	PL	
IR-4	PL	
IR-4	PL	
	OLD	
	OLD	
	OLD	
	OLD	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
	OLD	
	OLD	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

140



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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
	OLD	
Dow AgroSciences LLC	OLD	
Dow AgroSciences LLC	PAY	
IR-4	PAY	
IR-4	PL	
IR-4	PL	
Dow AgroSciences LLC	PL	
IR-4	PAY	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
Dow AgroSciences LLC	PAY	
IR-4	PL	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016



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IR-4	PL	
	OLD	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

142



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.

WASHINGTON, D.C. 20460

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Page 14 of 18

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	IR-4	PL	
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	Dow AgroSciences LLC	PAY	
	IR-4	PL	
		OLD OLD OLD OLD OLD OLD OLD	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

143



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Page 15 of 18

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	IR-4	PL	
	IR-4	PL	
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		OLD	
		OLD	
	Dow AgroSciences LLC	PAY	
	IR-4	PL	
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		OLD	
	IR-4	PL	
		OLD	
		OLD	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

Feb. 16, 2016

144



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	Submitter	Status	Note
			Not required
			Not required
			Not required
			Not required
	Dow AgroSciences LLC Dow AgroSciences LLC	OLD PAY PAY	

Signature

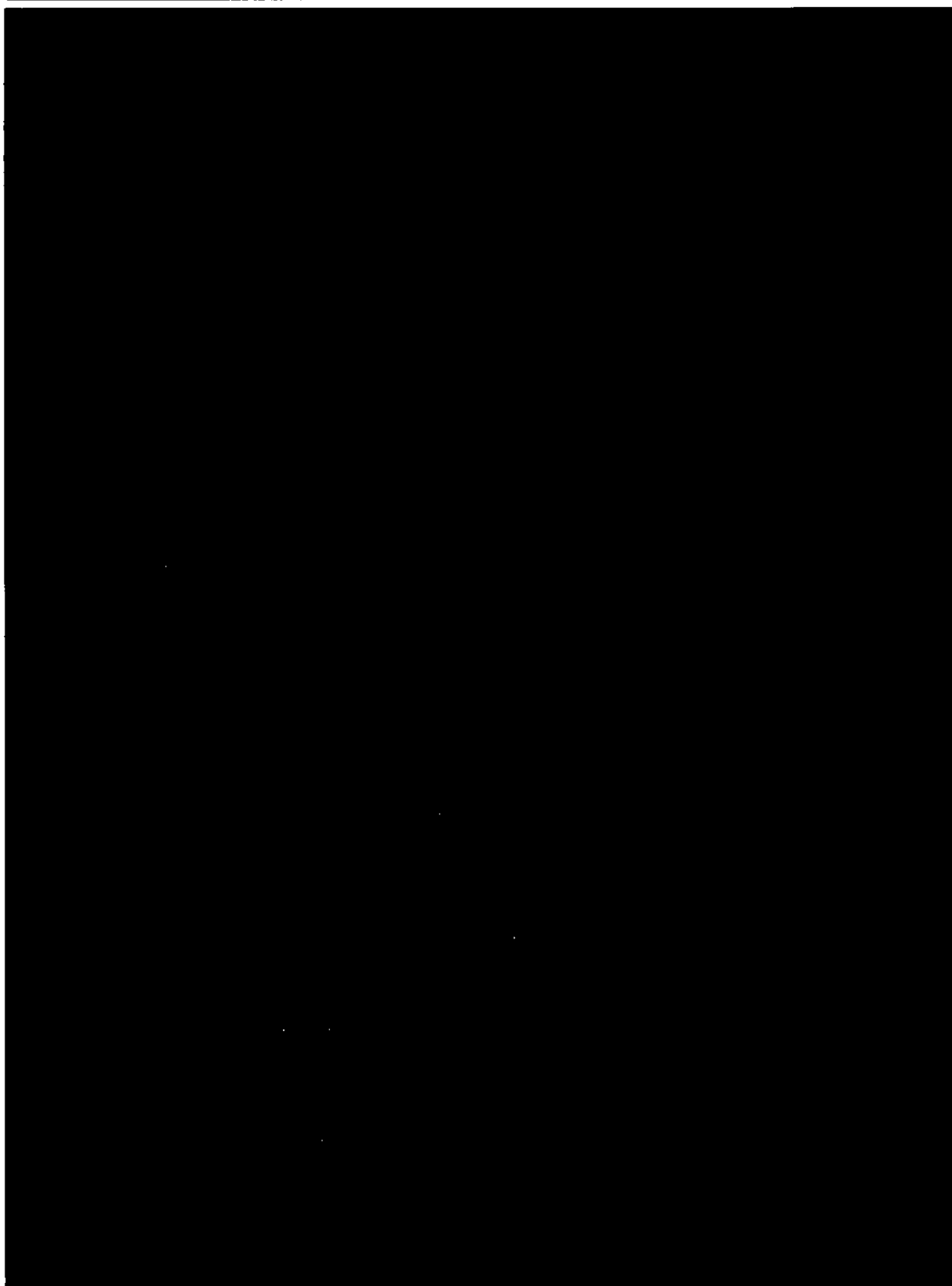
Name and Title

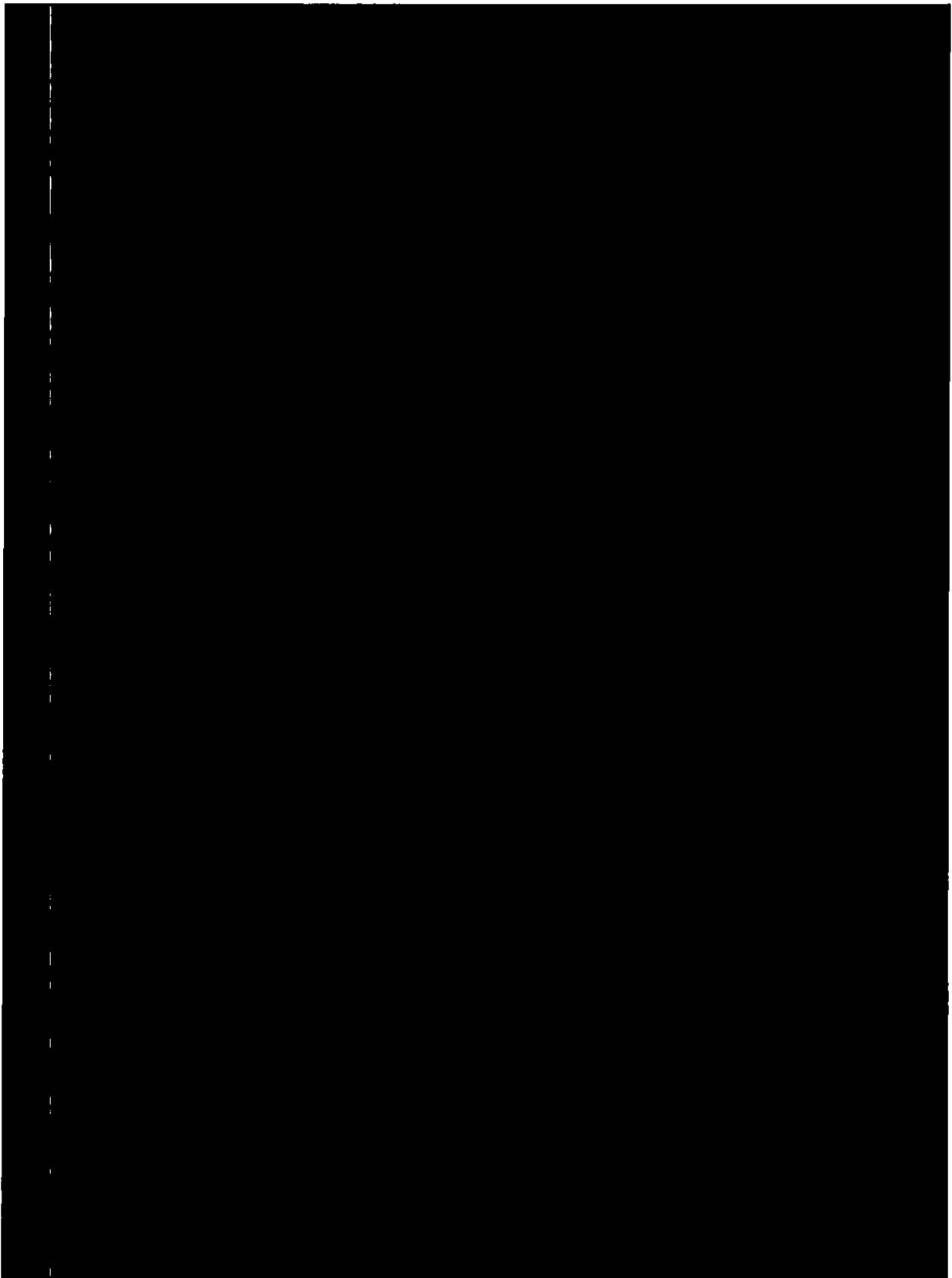
Ann M. Tillman, Consultant

Date

Feb. 16, 2016

Endnotes for Data Matrix for UPL Delaware, Inc. UPI Methoxyfenozide Technical





UPI Methoxyfenozide Technical
For Manufacturing Use Only

ACTIVE INGREDIENT

Methoxyfenozide*: 3-methoxy-2-methylbenzoic acid
2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide.....98.2%

OTHER INGREDIENTS..... 1.8%

Total 100.0%

*CAS No. 161050-58-4

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If on skin	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor. For emergency medical treatment information, contact the Rocky Mountain Poison Control Center at 1-866-673-6671.	

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC at 1-800-424-9300.

UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406
1-800-438-6071

EPA Reg. No. 91813-
EPA Est. No.

Net Weight:

DOCUMENTUM

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product is to be used for formulation into insecticide products for the following uses:

Acerola ✓	Mango ✓
Avocado ✓	Nongrass forage, fodder, straw and hay (Crop Group 18) ✓
Black sapote ✓	Papaya ✓
Brassica (cole) leafy vegetables (Crop Group 5) ✓	Peanut ✓
Bushberries (Crop Subgroup 13-07B) ✓	Pineapple ✓
Caneberries (Crop Subgroup 13-07A) ✓	Pistachios ✓
Canistel ✓	Popcorn ✓
Citrus fruits (Crop Group 10) ✓	Rambutan ✓
Chilean guava ✓	Sorghum (grain and sweet) ✓
Corn grown for seed ✓	Spearmint ✓
Corn, sweet and field ✓	Starfruit ✓
Cotton ✓	Tree nuts (Crop Group 14-12) ✓
Cranberry including high bush cranberry ✓	Leaves of root and tuber vegetables (Crop Group 2)
Cucurbit vegetables (Crop Group 9) ✓	Low growing berry (except cranberry) (Crop Group 13-07G) ✓
Dates ✓	Mamey sapote ✓
Feijoa ✓	Ornamentals ✓
Foliage of legume vegetables (except soybean) (Crop Subgroup 7A) ✓	Passionfruit ✓
Fruiting vegetables (Crop Group 8-10) ✓	Peppermint
Globe artichoke ✓	Pome fruits (Crop Group 11-10) ✓
Grass forage, fodder and hay (Crop Group 17) ✓	Pomegranate ✓
Green onion (Crop Subgroup 3-07B) ✓	Pulasan ✓
Guava ✓	Root vegetables (subgroup 1A, 1B) ✓
Herbs (Crop Subgroup 19A) ✓	Sapodilla ✓
Jaboticaba ✓	Small fruit vine climbing (except fuzzy kiwifruit) (Crop Group 13-07F) ✓
Leafy vegetables (Crop Group 4) ✓	Star apple ✓
Legume vegetables (succulent or dried) (Crop Group 6) ✓	Stone fruits (Crop Group 12-12) ✓
Longan ✓	Tuberous and corm vegetables (except potato) (Crop Subgroup 1D) ✓
Lychee ✓	Wax jambu ✓

This product may be used to formulate products for specific use(s) not listed on this label if the formulator, user group or grower has complied with U.S. EPA submission requirements regarding the support of such use(s).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. ✓

Pesticide Storage: Store in original container only in a cool, dry, well-ventilated area. ✓

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling:

Fiber drums with liner: Nonrefillable container. Do not reuse or refill this container. Completely empty liner into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer drum and liner for recycling if available. If not available, dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If burned stay out of smoke. If drum is contaminated and cannot be reused, dispose of in the same manner required for its liner. ✓

Supersacks: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into formulation equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or by other procedures approved by state and local authorities. ✓

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

UPL Delaware, Inc. warrants that at the time of delivery, this product will conform to its chemical description on the label, that it is reasonably fit for the purposes referred to in the Directions for use, that it will pass without objection in the trade under the contract description, that the seller will convey title hereto, and that such product will be delivered free from any lawful security interest, lien or encumbrance.

To the extent allowed by applicable law, UPL DELAWARE, INC. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. BUYER ACKNOWLEDGES THE USE OF ITS OWN INDEPENDENT SKILL AND EXPERTISE IN THE SELECTION AND USE OF THE PRODUCT AND DOES NOT RELY ON ANY ORAL OR WRITTEN STATEMENTS OR REPRESENTATIONS.

Varner, Stephanie

From: Ann Tillman <Ann@PyxisRC.com>
Sent: Monday, February 29, 2016 4:48 PM
To: Varner, Stephanie
Cc: Downs, Teresa
Subject: RE: Submission to EPA: UPI METHOXYFENOZIDE TECHNICAL (EPA Reg. No. 91813-T)

Stephanie,

The appropriate box is checked for selective data citation—Section I, Method of Data Support. The checked box indicates UPI used the selective method of support. The box under Section II, General Offer to Pay, must be checked when using the cite-all method or the cite-all option under selective cite. Nowhere on the data matrix is the Cite-all option used. We are confident that we have filled out this form correctly and our company has discussed this issue in the past with Mark Dynner of OGC.

Ann

From: Varner, Stephanie [mailto:Varner.Stephanie@epa.gov]
Sent: February 29, 2016 3:02 PM
To: Ann Tillman <Ann@PyxisRC.com>
Subject: RE: Submission to EPA: UPI METHOXYFENOZIDE TECHNICAL (EPA Reg. No. 91813-T)

Hi Ann,

The data matrix included lists several of the references with a status of pay. So either a letter of permission of the offer to pay box needs to be checked.

Stephanie

From: Ann Tillman [mailto:Ann@PyxisRC.com]
Sent: Monday, February 29, 2016 2:46 PM
To: Varner, Stephanie <Varner.Stephanie@epa.gov>
Subject: RE: Submission to EPA: UPI METHOXYFENOZIDE TECHNICAL (EPA Reg. No. 91813-T)

Stephanie,

The box on the form Certification with Respect to Citation of Data was checked (Section I). A copy of the form is attached. Since UPI used the selective method of data citation, a general offer-to-pay is not required so Section II is not checked.

Ann

Ann M. Tillman, Ph.D.
Pyxis Regulatory Consulting, Inc.
4110 136th St. NW
Gig Harbor, WA 98332
Office (253) 853-7369
Fax (253) 853-5516
Email Ann@PyxisRC.com

From: Varner, Stephanie [mailto:Varner.Stephanie@epa.gov]
Sent: February 29, 2016 2:20 PM

To: Ann Tillman <Ann@PyxisRC.com>

Subject: Submission to EPA: UPI METHOXYFENOZIDE TECHNICAL (EPA Reg. No. 91813-T)

Dear Ms. Tillman,

My name is Stephanie Varner, and I am a contractor with the EPA. I am contacting you in regards to your submissions in support of the product UPI METHOXYFENOZIDE TECHNICAL (EPA Reg. No. 91813-T). We have found a deficiency with the submissions that will need to be addressed:

1. The offer to pay box needs to be checked on the Certification with Respect to Citation of Data form. Please send a copy to Teresa Downs, downs.teresa@epa.gov.

Best,

Stephanie Varner

Contractor, US EPA

2777 S. Crystal Drive, S-4813

Arlington, VA 22202

(703) 347-0240

Email: varner.stephanie@epa.gov



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

February 29, 2016

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

PYXIS REGULATORY CONSULTING, INC.
UPL DELAWARE INC.
4110 136TH ST. CT. NW
GIG HARBOR, WA 98332

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 18-FEB-16. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

February 25, 2016

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OPP Decision Number: D-514215
EPA File Symbol or Registration Number: 91813-T
Product Name: UPI Methoxyfenozide Technical
EPA Receipt Date: 18-Feb-2016
EPA Company Number: 91813
Company Name: UPL DELAWARE INC.

ANN M. TILLMAN
PYXIS REGULATORY CONSULTING, INC.
REPRESENTING UPL DELAWARE INC.
4110 136TH STREET CT NW
GIG HARBOR, WA 98332

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R334

**NEW PRODUCT;MUP OR END USE PRODUCT WITH UNREGISTERED SOURCE OF
THE ACTIVE INGREDIENT;REQUIRES SCIENCE DATA REVIEW;NEW PHYSICAL
FORM;SELECTIVE DATA CITATION;**

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,

Front End Processing Staff
Information Technology & Resources Management Division

Receipt for Section 3			
S: 981619		Milestone Email: Ann@PyxisRC.com	
Regulatory Type: Product Registration - Section 3	<input type="checkbox"/>	Resubmission: <input type="radio"/> Yes <input checked="" type="radio"/> No	<div>Print Letter</div> <div>Enter More Information</div> <div>Tracking</div>
Application Type: New Registration	<input type="checkbox"/>	Fee For Service: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Company: 91813 UPL DELAWARE INC.		Billable: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Risk Manager: (Registration Division, Risk Management Team 11		<input type="checkbox"/>	
Product #: 91813-T	Product Name: UPL Methoxyfenozone Technical		
Override#:			
Me Too Section3: 62719-437	Me Too Product Name: METHOXYFENOZONE TECHNICAL		
Application Date: 18-Feb-2016	<input type="checkbox"/>	OPP Rec'd Date: 18-Feb-2016	<div>Receipt Content</div> <div>Study</div> <div>CSF</div> <div>View/Edit</div>
Front End Date: 23-Feb-2016	<input type="checkbox"/>	Risk Manager Send Date:	
FFS Due Date:		Negotiated Due Date:	
OPP Target Date:			
Fast Track: <input type="checkbox"/>	New Ingredient: <input type="checkbox"/>		
Receipt Description:			
Portal submission # 10114. Application for new registration.		New Ingredient Request Date. New Ingredient Received Date.	
Form A. <input type="checkbox"/>	Signature Date.	Form B. <input type="checkbox"/>	Signature Date.

DOCUMENTUM

Fee for Service

W
{981619C~

This package includes the following

- ☒ New Registration
- ☐ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

- ☐ AD
- ☐ BPPD
- ☒ RD

Risk Mgr. 11

Receipt No.

S-

981619

EPA File Symbol/Reg. No.

91813-T

Pin-Punch Date:

2/18/2016

☐ This item is NOT subject to FFS action.

Action Code:

Requested: R333

Granted: R334

Amount Due: \$ 19,838.00

Parent/Child Decisions:

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: L. Roe

Date: 2/24/16

Remarks:

~~need~~ to check the offer to pay on form 8570-34

DOCUMENTUM



Receipt

Your payment is complete

Pay.gov Tracking ID: 25Q0QATT

Agency Tracking ID: 74961584713

Form Name: Pesticide Registration Improvement Act - Prepayment

Application Name: PRIA Service Fees

Payment Information

Payment Type: Bank account (ACH)

Payment Amount: \$19,838.00

Transaction Date: 02/18/2016 09:30:02 AM EST

Payment Date: 02/19/2016

Registration Number:

Company Name: UPL Delaware, Inc.

Company Number: 91813

Action Code: R333

Account Information

Account Holder Name: United Phosphorus, Inc.

Routing Number: 021200339

Account Number: *****2762

Email Confirmation Receipt

Confirmation Receipts have been emailed to:
sherry.hutcheson@uniphos.com

DOCUMENTUM

E-SUBMISSION**Memorandum**Date: 3 / 01 / 16To: PM 24, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a: ☒ fully accepted submission
☐ partially accepted submission
☐ rejected submission

21-Day Screen Completed by
Contractor

21-Day Expires on 3/10/16

Jacket # 91813-T

MRID# 498206

Content Screen: Recommend to Pass/Fail

11-3 Review: Pass/Fail/NA

Overall Status: Recommend to Pass/Fail

Transfer This Jacket to:

Steve Schaible

PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 2-18-16

Experts In-Processing Signature: B.B. Date 2-26-16 Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date _____

EPA Reg. Number: <u>91813-T</u>		EPA Receipt Date: <u>2-18-16</u>				
Items for Review				Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type			X		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)			X		
	a) All <u>inerts</u> , including fragrances, approved for the proposed uses (see Footnote A) <i>No Inerts to Review</i>	yes	no			
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			X		
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)	X				
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)			X		
7	Is the data package consistent with PR Notice 86-5			X		
8	Notice of Filing included with petitions					X

9	If applicable for conventional applications, <u>reduced risk rationale</u>			X
10	<u>Required Data</u> and/or data waivers. See Footnote C.			
	a) List study (or studies) not included with application			

Comments:

Documentation Pass or Fail
 - Offer to Pay needs to be checked
 - Submitter contacted
 - Submitter says its filled out correctly, See email
 - All Required forms complete

Inerts: Pass or Fail
 - No Inerts to Review,
 Technical and Impurities Only

PRN 11-03 Pass or Fail
 MRID: 498206

8/31/16

Overall Status: Pass or Fail

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the [inert Web site](#) and if the inert is not approved nor has an application pending with the Agency, **to obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient.** Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the [Chief of Microbial Pesticides Branch](#).

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

Walsh, Michael

71813-T

From: Hughes, Jenn (J) <JLHughes@dow.com>
Sent: Monday, July 25, 2016 11:57 AM
To: Walsh, Michael
Subject: Methoxyfenozide - Data compensation

Hello Mike;

I hope you are doing well. We are currently in negotiations with a generic company on data compensation for our technical active ingredient Methoxyfenozide (62719-437). The company has provided us an offer to pay for 28 of our studies to support the technical registration, but they indicated they will not pay for 27 other studies that we believe are required to have a full technical registration for methoxyfenozide. At this time, the company will not share with us the data they have cited to EPA for their technical registration, so we are unaware of whether they have included the additional 27 studies in their package without offer of compensation. I understand that you cannot discuss registrations of other companies' molecules with us, but I was hoping I could provide you with the list below of the 27 studies that the generic is not providing data compensation on for your consideration, as we believe that these 27 studies are essential for the continued registration of methoxyfenozide, and therefore require to be considered and cited when registering a new technical. Some of these studies are those that were required to be done by EPA for conditions of registration and registration review in order to maintain our technical registration, while other studies were done to support establishment of tolerances on different crops. If a new technical is registered, or those crops are cited on the label, we feel that DAS should be compensated for the use of that supporting data. As well, the generic has also indicated they will not pay for any studies that support the use of the molecule within California (studies not listed below). Since we cannot tell what data was cited, and what is being proposed on the label, we are hoping that EPA will take this list of studies and the lack of offer to pay in consideration when evaluating the data package for a new generic source of methoxyfenozide.

Please let me know if you have any questions, or would like to discuss further.

Warm Regards,

Jenn

MRID	Citation	Submission Date	DAS Study ID	Reason For Sul
45373505	Bender, D. (2001) INTREPID Agricultural Insecticide (Methoxyfenozide): Justification for Tree Nut Use Label without Grazing Restrictions	3/30/2001	34-01-28	Petition for tol tree nut crop g almond hulls
45373501	Bender, D.; Castagner, M.; Dong, L.; Hazelton, G.; Long, J. (2001) INTREPID 80WSP and INTREPID 2F Agricultural Insecticides - Reduced Risk Rationale - Tree Nuts	3/30/2001	01R-1012	Petition for tol tree nut crop g almond hulls
45409401	Kaminski, E. (2001) Determination of Buffer Zone Distances for Ground and Aerial Applications of Methoxyfenozide Using AgDRIFT Modeling: Lab Project Number: 01R-1018. Unpublished study prepared by Rohm and Haas Company. 16 p.	5/14/2001	01R-1018	Revise buffer z
45652801	Mitchell, L.; Martin, K.; Beavers, J.; Jaber, M. (2001) RH-112,485 Technical: A Reproduction Study with the Northern Bobwhite Quail	4/9/2002	01RC-0091	Condition of re
45702702	Sousa, J. (2002) Methoxyfenozide (RH-2485) Technical: Effects on Early Life-Stage Molting and Growth in Red Swamp Crayfish (Procambarus clarkii)	6/18/2002	11267	Conditions of r

45702701	Deakyne, R. (2002) RH-2485 Long-Term Accumulation Study in Washington	6/18, 2002	34-01-84	Conditions of r
Admin	Bargar, E. (2003) Methoxyfenozide in or on Soybean Seed, Soybean Forage, Soybean Hay and Soybean Processed Products: Sections E, F, and G of the Petition for Permanent Tolerance	10/17/2003	GH-C 5685	PP3F6794
46153801	Kaminski, B. (2003) Methoxyfenozide - Reduced Risk Rationale - Soybeans Follow-On Submission	10/17/2003	BJK101603	PP3F6794
46606301	Dolder, S.; Lindsay, D. (2005) Magnitude of the Residue of Methoxyfenozide in Plums	7/26/2005	40018	Conditions of r
48938701	Hicks, S. (2012) Effects on Amphibian Metamorphosis Using <i>Xenopus laevis</i> Determined Under Flow-Through Conditions: Methoxyfenozide. Project Number: 68327, 120082, 10/275236. Unpublished study prepared by ABC Laboratories, Inc., Experimental Pathology Laboratories. 103p.	9/13/2012	120082	Condition of re
48262203	Norman, S. (2012) Methoxyfenozide (Intrepid 2F): Risk Assessment for Honeybee Brood Based on Two New Studies	10/1/2012	SN260912	Condition of re
48962203	Norman, S. (2012) Methoxyfenozide (Intrepid 2F): Risk Assessment for Honeybee Brood Based on Two New Studies	10/1/2012	SN26912	Condition of re
49201703	Stein, R. (1998) RH-2485 Analytical Method for Water. Project Number: 34/98/25. Unpublished study prepared by Rohm and Haas Co., and Keystone Analytical Laboratories, Inc. 45p.	8/23/2013	34-98-25	Reg review
49201702	Havel, J.; Xu, A. (1998) Independent Laboratory Method Validation Trials of RH-2485 Analytical Method for Water. Project Number: 34/98/102, 34P/98/35, 980601. Unpublished study prepared by Keystone Analytical Laboratories, Inc. 32p.	8/23/2013	34P-98-35	Reg review
49201701	Hughes, J.; Rausch, D.; Shears, K.; Huang, R.; Bendall, J.; Laughlin, L. (2013) Dow AgroSciences Response to EPAs Methoxyfenozide Registration Review Docket EPA - HQ-OPP-2012-0663. Unpublished study prepared by Dow AgroSciences LLC. 45p.	8/23/2013	EPA-HQ-OPP-2012-0663	Reg review
49672801	Kramer, V.; Merregall, G.; Barber, I.; Hughes, J. (2015) DAS White Paper Outlining Further Information on a 6(a)(2) Submitted to EPA Regarding Uncertainties and Issues with an OECD 237 Single Dose Honey Bee Larval Study on Methoxyfenozide	7/10/2015	JLH-07102015	Additional info 6(a)(2) per Pest Reevaluation D request
49731301	Phillips, A. (2015) Rationale for Decrease in Interval from Final Treatment to Harvest (PHI) for Methoxyfenozide on Tree Nuts, Crop Group 14-12	11/4/2015	151100	Reduce PHI on nuts, alfalfa
49731302	Gartner, V. (2015) Rationale for Decrease in Interval From Final Treatment to Harvest (PHI) for Methoxyfenozide on Nongrass Animal Feeds, Forage, Fodder, Hay and Straw, Crop Group 18	11/4/2015	151179	Reduce PHI on nuts, alfalfa
49731303	Devine, J.; Cenni, M. (2012) Residues of Methoxyfenozide in Grapes	11/4/2015	110318	Reduce PHI on nuts, alfalfa
49836401	Schramel, O. (1999) Dissipation of RH 2485 (240 SC) in Soil Under Field Conditions (France, Germany, Great Britain, Italy)	2/11/2016	34-99-181	Methoxyfenozide
49836402	VanHooser, A. (2014) Methoxyfenozide Technical: Acute Toxicity to the Freshwater Midge, <i>Chironomus riparius</i> , Determined Under Static Test Conditions	2/11/2016	140476	Methoxyfenozide
49836403	Knowles, S. (2014) Modelling the Kinetics of the Field Dissipation of Methoxyfenozide Using a Q10-2.58 - EU Northern and Southern Zone	2/11/2016	141095	Methoxyfenozide
49836404	Schafer, H. (1999) Calculation of DT-50 Values of RH 2485 Based on Results of a Water-Sediment Study	2/11/2016	34-00-96	Methoxyfenozide
49836405	Nunez, M. (1999) Greenhouse Tests with RH-112485	2/11/2016	99-082	Methoxyfenozide
49836406	Dorgerloh, M. (1999) Herbicidal Screening Data for RH 2485 SC 240	2/11/2016	DOM 99077	Methoxyfenozide
49836407	Sneikus, J. (2002) Aerobic Degradation and Metabolism of RH2485 in the Water/Sediment System	2/11/2016	M1511182-9	Methoxyfenozide
49836408	Liss, D. (2014) Field Soil Dissipation Study of Methoxyfenozide on Bare Soil at 4 Different Sites in Europe, 2012-2014	2/11/2016	141071	Methoxyfenozide

Jennifer Hughes US Federal Regulatory Manager
Office: 317.337.7993 jlhughes@dow.com

Dow AgroSciences LLC
9330 Zionsville Road, Indianapolis, IN 46268

www.dowagro.com



Dow AgroSciences

Solutions for the Growing World

PYXIS REGULATORY CONSULTING, INC.

4110 136th St. Ct. NW
Gig Harbor, WA 98332

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Fax: 253-853-5516
www.PyxisRC.com

February 18, 2016

MRID 498206-00

ELECTRONIC SUBMISSION

Michael Walsh (PM 11)
Document Processing Desk (REGFEE)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

RE: UPL Delaware, Inc.
UPI Methoxyfenozide Technical (EPA File Symbol 91813-)
Application for New Pesticide Registration
PRIA Category R334

Dear Mr. Walsh,

On behalf of UPL Delaware, Inc., we are submitting an application for registration of UPI Methoxyfenozide Technical, a technical grade active ingredient. In support of this application, we submit the following documents:

1. Application for a New Pesticide Registration (EPA Form 8570-1)
2. Confidential Statement of Formula (EPA Form 8570-4)
3. Certification with Respect to Citation of Data (EPA Form 8570-34)
4. Agency Internal Use Copy of the Data Matrix (EPA Form 8570-35)
5. Public File Copy of the Data Matrix (EPA Form 8570-35)
6. One (1) Copy of the Proposed Labeling
7. Copy of the PRIA payment
8. Letter of Authorization
9. Product Specific Data:

MRID	Guideline No.	Study Title
49820601	830.1550, 830.1600, 830.1620, 830.1670, 830.1750	Tillman, A. M. UPI Methoxyfenozide Technical – Product Identity and Composition, Description of the Materials Used, Description of the Production Process, Discussion of the Formation of Impurities, and Certified Limits. <i>Contains Confidential Business Information.</i>
49820602	830.1700, 830.1800	Amruskar, A. S. Preliminary Analysis of Five Representative Production Batches of Methoxyfenozide Technical Grade Active Ingredient (TGAI) to Determine % Methoxyfenozide and to Quantify its Associated Impurities. <i>Contains Confidential Business Information.</i>
49820603	830.1800	Yenduri, G. Development and Validation of Analytical Method for Active Ingredient Analysis of Methoxyfenozide Technical.
49820604	830.6302, 830.6303, 830.6304	Suratwala, T. G. Appearance (Colour, Physical State and Odour) of Methoxyfenozide Technical.
49820605	830.6313	Desai, H. K. Determination of Stability of Methoxyfenozide Technical with and Without Metals and Metal Ions at Normal and Elevated Temperature.
49820606	830.6315	Patel, J. Flammability of Methoxyfenozide Technical.

MRID	Guideline No.	Study Title
49820607	830.6316	Patel, J. Explodability of Methoxyfenozide Technical.
49820608	830.7000	Suratwala, T. G. pH of Methoxyfenozide Technical.
49820609	830.7050	Suratwala, T. G. UV-Visible Analysis of Methoxyfenozide Technical.
49820610	830.7200	Suratwala, T. G. Melting Point/Melting Range of Methoxyfenozide Purified.
49820611	830.7300	Suratwala, T. G. Specific Gravity of Methoxyfenozide Technical.
49820612	830.7370	Suratwala, T. G. Dissociation Constant of Methoxyfenozide Purified.
49820613	830.7550	Desai, H. K. Partition Coefficient (n-Octanol/Water) of Methoxyfenozide Purified.
49820614	830.7840	Moinuddin, M. Water Solubility of Methoxyfenozide Purified.
49820615	830.7950	Patel, J. Vapour Pressure of Methoxyfenozide Purified.
49820616	830.6317, 830.6319, 830.6320, 830.7100, 830.7220, 830.7520	Tillman, A. M. UPI Methoxyfenozide Technical Physical and Chemical Properties and Waiver Requests.
49820617	870.1100	Chhimwal, R. Acute Oral Toxicity of Methoxyfenozide Technical in Rats.
49820618	870.1200	Chhimwal, R. Acute Dermal Toxicity of Methoxyfenozide Technical in Rats.
49820619	870.1300	Verma, R. Acute Inhalation Toxicity of Methoxyfenozide Technical in Rats.
49820620	870.2400	Bhimani, V. Acute Eye Irritation Study of Methoxyfenozide Technical in Rabbits.
49820621	870.2500	Bhimani, V. Acute Dermal Irritation Study of Methoxyfenozide Technical in Rabbits.
49820622	870.2600	Verma, R. Skin Sensitisation Study of Methoxyfenozide Technical in Guinea Pigs [Guinea Pig Maximization Test].
49820623	830.6314	Patel, J. Oxidation/Reduction Properties of Methoxyfenozide Technical.
49820624	CIPAC MT 181 (830.7840)	Patel, J. Solubility of Methoxyfenozide Technical in Organic Solvents.

UPL Delaware, Inc. is using the selective method of support. As per EPA's interpretations of 40 CFR Parts 152.86(b)(2)(i) and 152.93(b)(2)(i), UPL Delaware, Inc. submitted notices of intent to apply and offers to pay to the extent required by FIFRA § 3(c)(1)(F). This action falls under Category R334 (53: New manufacturing use product; unregistered source of active ingredient; selective citation of data). The fee due which has been paid is \$19,838.

We trust you will find this application complete. However, please feel free to contact me ((253) 853-7369, Ann@PyxisRC.com) if you have any questions or need any additional information.

Sincerely,



Ann M. Tillman
Consultant, United Phosphorus, Inc.

Enclosures
cc: D. Olson, UPL Delaware, Inc.

Walsh, Michael

METHOXY NEW PRODUCT

From: Koch, Erin
Sent: Monday, April 04, 2016 10:27 AM
To: Walsh, Michael
Subject: Re: Methoxyfenozide. Exclusive use. New tech product.

Mike,

Also take a look at the data submitter's list and see what it says; and check whether there are any petitions for extension. ✓

Erin S. Koch
Attorney-Advisor
Pesticides and Toxic Substances Law Office
Office of General Counsel
USEPA
(202) 564-1718

From: Walsh, Michael
Sent: Thursday, March 31, 2016 10:32 AM
To: Koch, Erin
Subject: Methoxyfenozide. Exclusive use. New tech product.

Hi Erin.

RD has an application for a new methoxyfenozide Technical product.

I am writing to seek your determination on exclusive use rights for the active ingredient, methoxyfenozide.

It appears as though Dow's exclusive rights period is over. According to OPPIN, the Dow methoxyfenozide technical product was registered on 7/5/2000 with additional new food uses being established through 2013.

Am I correct in believing that Dow no longer has exclusive use rights for the active ingredient or its uses, and that I can proceed with the new Technical product registration?

Attached please find 1) OPPIN Registration for 62719-437 (7/5/2000), 2) website information for Extending the Exclusive Use Period for an Active Ingredient, 3) website information for Establishing New Exclusive Use Periods for Specific Commodities, and 4) the list of tolerances and dates when the tolerances were established.

Please let me know.

Thank you for your help.

Mike
RD/IVB2

Rate, Debra

From: Adler, Bonnie
Sent: Thursday, April 13, 2017 10:19 AM
To: Rate, Debra; Walsh, Michael
Cc: Bloom, Jill
Subject: Any additional DCIs or requirements for Methoxyfenozide?

Okay,
I have been corrected. This study [group of studies] are not all acceptable.
We have sent the DERs to the Registrant and are waiting for replacements or confirmation for new data.

Sorry, I was premature in saying it was all good.
I am not sure how to address this new registrant on this particular study. But, suffice it to say, DOW is still on the hook to provide acceptable data.
Thanks!
Bonnie

From: Adler, Bonnie
Sent: Thursday, April 13, 2017 9:15 AM
To: Rate, Debra <Rate.Debra@epa.gov>; Bloom, Jill <Bloom.Jill@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: Any additional DCIs or requirements for Methoxyfenozide?

Debra,
I gave you the list of data, DCI and responses.
This one has this DER [attached] and it's all good.

Let me know if you need something more.

☺

Bonnie

From: Rate, Debra
Sent: Wednesday, April 12, 2017 12:37 PM
To: Bloom, Jill <Bloom.Jill@epa.gov>
Cc: Adler, Bonnie <Adler.Bonnie@epa.gov>; Walsh, Michael <Walsh.Michael@epa.gov>
Subject: Any additional DCIs or requirements for Methoxyfenozide?

Hi, Jill-

I just want to confirm that all of the data requirements for the DCI that was sent out in 2013 for guideline requirement 850.6100 has been satisfied and that there are no additional or outstanding DCIs (GDCI or EDSP) requirements for methoxyfenozide or a Work Plan with additional requirements identified.

Please let me know.
Thank you.
Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2

Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

Rate, Debra

From: Bloom, Jill
Sent: Wednesday, April 12, 2017 2:06 PM
To: Rate, Debra
Subject: RE: Any additional DCIs or requirements for Methoxyfenozide?
Attachments: 121027_49525702+_DER-Fate_850.6100_12-9-16.docx

Attached is the EFED DER. Study considered supplemental, so not technically fulfilled. Don't know how registrant responded:

This analytical method is classified as supplemental. In the ECM, no samples were prepared at 10×LOQ, and the number of samples was insufficient for all analyses at 2×LOQ. ILV representative chromatograms for control samples were not included for all analyte/matrices; ECM representative chromatograms were not included for the 2×LOQ samples. A reagent blank was not included in the ECM. Linearity coefficients (r^2) of methoxyfenozide were not always ≥ 0.995 .

Hope this helps.

Jill

From: Rate, Debra
Sent: Wednesday, April 12, 2017 1:16 PM
To: Bloom, Jill <Bloom.Jill@epa.gov>
Subject: RE: Any additional DCIs or requirements for Methoxyfenozide?

Hi, Jill-

We need to get this finished tomorrow, morning. (PRIA date is Friday.)

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Bloom, Jill
Sent: Wednesday, April 12, 2017 12:45 PM
To: Rate, Debra <Rate.Debra@epa.gov>
Subject: RE: Any additional DCIs or requirements for Methoxyfenozide?

Debra,

Now that I understand that it is 850.6100 you are particularly interested in, that data req't (Environmental chemistry methods and associated independent laboratory validation) is not needed for risk assessment, so I can't say that because the risk assessment was completed that this particular data requirement must have been fulfilled. Sorry. I will dig into it and let you know—does it have to be today?

Jill

From: Rate, Debra
Sent: Wednesday, April 12, 2017 12:37 PM
To: Bloom, Jill <Bloom.Jill@epa.gov>
Cc: Adler, Bonnie <Adler.Bonnie@epa.gov>; Walsh, Michael <Walsh.Michael@epa.gov>
Subject: Any additional DCIs or requirements for Methoxyfenozide?

Hi, Jill-

I just want to confirm that all of the data requirements for the DCI that was sent out in 2013 for guideline requirement 850.6100 has been satisfied and that there are no additional or outstanding DCIs (GDCI or EDSP) requirements for methoxyfenozide or a Work Plan with additional requirements identified.

Please let me know.
Thank you.
Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

UPI Methoxyfenozide Technical
For Manufacturing Use Only

ACTIVE INGREDIENT

Methoxyfenozide*: Benzoic acid, 3-methoxy-2-methyl-,
2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide.....98.2%

OTHER INGREDIENTS..... 1.8%

Total 100.0%

*CAS No. 161050-58-4

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID	
If on skin	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor. For emergency medical treatment information, contact the Rocky Mountain Poison Control Center at 1-866-673-6671.	

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC at 1-800-424-9300.

UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406
1-800-438-6071

EPA Reg. No. 91813-
EPA Est. No.

Net Weight:

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long sleeved shirt, long pants, shoes, socks and gloves. Remove and wash contaminated clothing before reuse. *wear protective eye wear.*

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product is to be used for formulation into insecticide products for the following uses:

Acerola	Mango
Avocado	Nongrass forage, fodder, straw and hay (Crop Group 18)
Black sapote	Papaya
Brassica (cole) leafy vegetables (Crop Group 5)	Peanut
Bushberries (Crop Subgroup 13-07B)	Pineapple
Caneberries (Crop Subgroup 13-07A)	Popcorn
Canistel	Rambutan
Citrus fruits (Crop Group 10-10)	Sorghum (grain and sweet)
Corn grown for seed	Spearmint
Corn, sweet and field	Starfruit
Cotton	Tree nuts (Crop Group 14-12)
Cranberry including high bush cranberry	Leaves of root and tuber vegetables (Crop Group 2)
Cucurbit vegetables (Crop Group 9)	Low growing berry (except cranberry) (Crop Group 13-07G)
Dates	Mamey sapote
Feijoa	Ornamentals
Foliage of legume vegetables (except soybean) (Crop Subgroup 7A)	Passionfruit
Fruiting vegetables (Crop Group 8-10)	Peppermint
Globe artichoke	Pome fruits (Crop Group 11-10)
Grass forage, fodder and hay (Crop Group 17)	Pomegranate
Green onion (Crop Subgroup 3-07B)	Pulasan
Guava	Root vegetables (subgroup 1A, 1B)
Herbs (Crop Subgroup 19A)	Sapodilla
Jaboticaba	Small fruit vine climbing (except fuzzy kiwifruit) (Crop Group 13-07F)
Leafy vegetables (Crop Group 4)	Star apple
Legume vegetables (succulent or dried) (Crop Group 6)	Stone fruits (Crop Group 12-12)
Longan	Tuberous and corm vegetables (except potato) (Crop Subgroup 1D)
Lychee	Wax jambu

This product may be used to formulate products for specific use(s) not listed on this label if the formulator, user group or grower has complied with U.S. EPA submission requirements regarding the support of such use(s).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container only in a cool, dry, well-ventilated area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling:

Fiber drums with liner: Nonrefillable container. Do not reuse or refill this container. Completely empty liner into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer drum and liner for recycling if available. If not available, dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If burned stay out of smoke. If drum is contaminated and cannot be reused, dispose of in the same manner required for its liner.

Supersacks: Nonrefillable container: Do not reuse or refill this container. Completely empty bag into formulation equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or by other procedures approved by state and local authorities.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

UPL Delaware, Inc. warrants that at the time of delivery, this product will conform to its chemical description on the label, that it is reasonably fit for the purposes referred to in the Directions for use, that it will pass without objection in the trade under the contract description, that the seller will convey title hereto, and that such product will be delivered free from any lawful security interest, lien or encumbrance.

To the extent allowed by applicable law, UPL DELAWARE, INC. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. BUYER ACKNOWLEDGES THE USE OF ITS OWN INDEPENDENT SKILL AND EXPERTISE IN THE SELECTION AND USE OF THE PRODUCT AND DOES NOT RELY ON ANY ORAL OR WRITTEN STATEMENTS OR REPRESENTATIONS.

Rate, Debra

From: Walsh, Michael
Sent: Friday, April 14, 2017 7:28 AM
To: Ann Tillman
Cc: Rate, Debra
Subject: RE: Page 4 ? FW: typo RE: 91813-T: Needed two minor revisions to the label.

Already removed page 4. So, no problem. Thank you.

From: Ann Tillman [mailto:Ann@PyxisRC.com]
Sent: Friday, April 14, 2017 6:47 AM
To: Walsh, Michael <Walsh.Michael@epa.gov>
Cc: Rate, Debra <Rate.DeBRA@epa.gov>
Subject: RE: Page 4 ? FW: typo RE: 91813-T: Needed two minor revisions to the label.

Mike,

Sorry about that... page 4 wasn't supposed to be part of the label I sent you (it's our internal tracking for label changes). A copy without that page is attached for your files.

Ann

From: Walsh, Michael [mailto:Walsh.Michael@epa.gov]
Sent: April 14, 2017 6:34 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Rate, Debra <Rate.DeBRA@epa.gov>
Subject: Page 4 ? FW: typo RE: 91813-T: Needed two minor revisions to the label.

Hi Ann.

Because page 4 is numbered, it is being presented as part of the label.

I wanted to let you know that I will likely remove page 4 from the label because 1) it is not text being approved by the Agency with this action, 2) it should not be considered part of the product label, 3) it will not appear on the final printed label, and 4) it is confusing to have it as a numbered page.

I am leaving the office at 11:00amET this morning, so please let me know by as soon as possible if there is a reason why page 4 is numbered and included in your most recent resubmission.

Thanks.

Mike

From: Ann Tillman [mailto:Ann@PyxisRC.com]
Sent: Thursday, April 13, 2017 6:20 PM
To: Walsh, Michael <Walsh.Michael@epa.gov>; Rate, Debra <Rate.DeBRA@epa.gov>
Subject: RE: typo RE: 91813-T: Needed two minor revisions to the label.

Typo was corrected.

Ann

From: Walsh, Michael [<mailto:Walsh.Michael@epa.gov>]
Sent: April 13, 2017 4:07 PM
To: Ann Tillman <Ann@PyxisRC.com>; Rate, Debra <Rate.Debra@epa.gov>
Subject: typo RE: 91813-T: Needed two minor revisions to the label.

Hi Ann.

We missed the typographical error appearing in the ENVIRONMENTAL HAZARDS section. Please replace "wiring" with "writing" and submit the label back to Debra and me as soon as possible so we can meet the PRIA Due Date of tomorrow. Thanks.

Michael Walsh
PM11/IVB2/RD

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Thursday, April 13, 2017 12:56 PM
To: Rate, Debra <Rate.Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T: Needed two minor revisions to the label.

Debra,

These revisions were made to the attached label.

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]
Sent: April 13, 2017 11:03 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T: Needed two minor revisions to the label.

Hi, Ann-

Following Mike's review of the label, three additional edits were identified. Please revise the label as described below:

Page 2 – Please revised the statement "This product is to be used for formulation into insecticide products for the following uses:" to read "This product is to be used only for formulating insecticide products for the following uses:".

Page 2 – Please revise the Hazards to Humans and Domestic Animals section, by adding the sentence "Wear protective eyewear." This sentence should appear as the last sentence in the paragraph.

Page 3 – Per Chapter 12 of the Label Review manual, replace “To the extent allowed by applicable law” as the first sentence in the second paragraph to read “To the extent consistent with applicable law” or “TO THE EXTENT CONSISTENT WITH APPLICABLE LAW”.

Please let me know if you have any questions or concerns.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [<mailto:Ann@PyxisRC.com>]
Sent: Wednesday, April 12, 2017 11:41 AM
To: Rate, Debra <Rate.Debra@epa.gov>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T: Needed two minor revisions to the label.

Debra,

Changes were made. See attachment.

Ann

From: Rate, Debra [<mailto:Rate.Debra@epa.gov>]
Sent: April 12, 2017 11:31 AM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: 91813-T: Needed two minor revisions to the label.

Hi, Ann-

There are two additional revisions needed for the UPL Methoxyfenozide Technical Label.

1. In the ingredient statement: Please add a comma following Benzoic acid to read:

“Benzoic acid, 3-methoxy-2-methyl-,
2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide”

2. Please correct the typo on page 3 Under the heading Supersacks:

Revise Nonrefillabel to “Nonrefillable”.

Please submit the changes today if possible, so that we can finish up the action.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist

Rate, Debra

From: Ann Tillman <Ann@PyxisRC.com>
Sent: Monday, April 10, 2017 6:50 AM
To: Rate, Debra
Cc: Walsh, Michael
Subject: RE: 91813-T
Attachments: 91813-T 20170410 8570-34.pdf; 91813-T 20170410 8570-35 Agency.pdf; 91813-T 20170410 8570-35 Public.pdf

Debra,

Attached are the updated data matrices and EPA form 8570-34 for 91813-T.

Ann

From: Rate, Debra [mailto:Rate.Debra@epa.gov]
Sent: April 07, 2017 2:04 PM
To: Ann Tillman <Ann@PyxisRC.com>
Cc: Walsh, Michael <Walsh.Michael@epa.gov>
Subject: RE: 91813-T

Hi, Ann-

Thank you taking the time this morning to discuss with me the action for 91813-T, and for submitting the revised label, so quickly after the call. Please send the Certification and revised data matrix together on Monday.

Thanks again for your help and quick response.
Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309

From: Ann Tillman [mailto:Ann@PyxisRC.com]
Sent: Friday, April 07, 2017 1:51 PM
To: Rate, Debra <Rate.Debra@epa.gov>
Subject: 91813-T

Hi, Debra,

I've made the changes to the label. Copies of the changes tracked version and a clean version are attached. UPL agreed to add the 4 studies to the data matrix. We have prepared the offer-to-pay letter which will go out today. I can't sign the certification until Monday (when the OTP letter will be received by Dow). Is it okay if I send the Certification and revised data matrix to you then? Another option: I could send you the matrix today and the Certification on Monday. Let me know what works for you. Thanks!

Ann

Ann M. Tillman, Ph.D.

Pyxis Regulatory Consulting, Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332
Office (253) 853-7369
Fax (253) 853-5516
Email Ann@PyxisRC.com

Rate, Debra

From: Adler, Bonnie
Sent: Thursday, April 13, 2017 9:15 AM
To: Rate, Debra; Bloom, Jill
Cc: Walsh, Michael
Subject: RE: Any additional DCIs or requirements for Methoxyfenozide?
Attachments: ECM-ILV review PC 121027 & MRID 49201702 DER-Memo_11-24-14.pdf; ECM-ILV Review PC 121027 & MRID 49201702 Fate-DER 850 6100 11-24-14.pdf

Debra,
I gave you the list of data, DCI and responses.
This one has this DER [attached] and it's all good.

Let me know if you need something more.



Bonnie

From: Rate, Debra
Sent: Wednesday, April 12, 2017 12:37 PM
To: Bloom, Jill <Bloom.Jill@epa.gov>
Cc: Adler, Bonnie <Adler.Bonnie@epa.gov>; Walsh, Michael <Walsh.Michael@epa.gov>
Subject: Any additional DCIs or requirements for Methoxyfenozide?

Hi, Jill-

I just want to confirm that all of the data requirements for the DCI that was sent out in 2013 for guideline requirement 850.6100 has been satisfied and that there are no additional or outstanding DCIs (GDCI or EDSP) requirements for methoxyfenozide or a Work Plan with additional requirements identified.

Please let me know.

Thank you.

Debra

Debra Rate, Ph.D.
Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division
U.S. Environmental Protection Agency

Phone: 703-306-0309



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number UPL Delaware, Inc. c/o Pyxis Regulatory Consulting, Inc. 4110 136 th St. Ct. NW Gig Harbor, WA 98332 (253) 853-7369	EPA Registration Number/File Symbol/ 91813-T
Active Ingredient(s) and/or representative test compound(s) Methoxyfenozide	Date Apr. 10, 2017
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) TGA1	Product Name UPI Methoxyfenozide Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statements (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have including with this form a list of companies send offer of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date Apr. 10, 2017	Typed or Printed Name and Title Ann M. Tillman Senior Regulatory Consultant
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WASHINGTON, D.C. 20460

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 1 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC					
830.1550	Product identity and composition	49820601	UPL Delaware, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	49820601	UPL Delaware, Inc.	OWN	
830.1620	Description of the Production Process	49820601	UPL Delaware, Inc.	OWN	
830.1650	Description of the Formulation Process				Not applicable for technical
830.1670	Discussion of Formation of Impurities	49820601	UPL Delaware, Inc.	OWN	
830.1700	Preliminary Analysis	49820602	UPL Delaware, Inc.	OWN	
830.1750	Certified Limits	49820601	UPL Delaware, Inc.	OWN	
830.1800	Enforcement Analytical Method	49820603	UPL Delaware, Inc. UPL Delaware, Inc.	OWN OWN	
830.6302	Color	49820604	UPL Delaware, Inc.	OWN	
830.6303	Physical State	49820604	UPL Delaware, Inc.	OWN	
830.6304	Odor	49820604	UPL Delaware, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	49820605	UPL Delaware, Inc.	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	49820623	UPL Delaware, Inc.	OWN	
830.6315	Flammability	49820606	UPL Delaware, Inc.	OWN	
830.6316	Explosibility	49820607	UPL Delaware, Inc.	OWN	
830.6317	Storage Stability	49820616	UPL Delaware, Inc.	OWN	PRN 92-5
830.6319	Miscibility	49820616	UPL Delaware, Inc.	OWN	Not applicable for TGAI
830.6320	Corrosion Characteristics	49820616	UPL Delaware, Inc.	OWN	PRN 92-5
830.6321	Dielectric Breakdown Voltage				Not applicable for TGAI

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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401 M Street, S.W.

WASHINGTON, D.C. 20460

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 2 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000	pH	49820608	UPL Delaware, Inc.	OWN	
830.7050	UV/Visible Absorption	49820609	UPL Delaware, Inc.	OWN	
830.7100	Viscosity	49820616	UPL Delaware, Inc.	OWN	Not applicable to solids
830.7200	Melting Point/Melting Range	49820610	UPL Delaware, Inc.	OWN	
830.7220	Boiling Point/Boiling Range	49820616	UPL Delaware, Inc.	OWN	Not applicable to solids
830.7300	Density/Relative Density/Bulk Density	49820611	UPL Delaware, Inc.	OWN	
830.7370	Dissociation Constants in Water	49820612	UPL Delaware, Inc.	OWN	
830.7520	Particle size, fiber length, and diameter distribution	49820616	UPL Delaware, Inc.	OWN	Waiver. TGAI is not a fibrous material or water-insoluble
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49820613	UPL Delaware, Inc.	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	49820624 49820614	UPL Delaware, Inc. UPL Delaware, Inc.	OWN OWN	
830.7860	Water Solubility: Generator Column Method				See 830.7840
830.7950	Vapor Pressure	49820615	UPL Delaware, Inc.	OWN	
870.1100	Acute oral toxicity – rat	49820617	UPL Delaware, Inc.	OWN	
870.1200	Acute dermal toxicity – rat	49820618	UPL Delaware, Inc.	OWN	
870.1300	Acute inhalation toxicity – rat	49820619	UPL Delaware, Inc.	OWN	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 3 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400	Eye irritation	49820620	UPL Delaware, Inc.	OWN	
870.2500	Skin irritation	49820621	UPL Delaware, Inc.	OWN	
870.2600	Skin sensitization	49820622	UPL Delaware, Inc.	OWN	
GENERIC DATA					
850.2100	Acute Avian Oral Toxicity	44144406		OLD	See endnote ¹
850.2200	Acute Avian Dietary Toxicity	44144407		OLD	See endnote ²
		44144408		OLD	
850.2400	Wild Mammal Toxicity				Not required
850.2300	Avian Reproductive Toxicity	44617710		OLD	See endnote ³
		44617711		OLD	
		45652801		OLD	
850.2500	Simulated or Actual Field Testing				Not required
850.1075	Freshwater Fish Toxicity	44144409		OLD	See endnote ⁴
		44144410		OLD	
850.1010	Freshwater Invertebrate Toxicity	44144411		OLD	See endnote ⁵
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	44144412		OLD	See endnote ⁶
		44144413		OLD	
		44144414		OLD	
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	44617714		OLD	See endnote ⁷
		45032801		OLD	
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	44617715		OLD	See endnote ⁸
850.1400	Fish Early Life Stage (Freshwater)	44617713		OLD	See endnote ⁹
850.1400	Fish Early Life Stage (Saltwater)	44617712		OLD	See endnote ¹⁰

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 4 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1500	Life Cycle Fish	44617716		OLD	See endnote ¹¹
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	44617813 45702704	Dow AgroSciences LLC	OLD PAY	See endnote ¹²
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine	45032801 45702703	Dow AgroSciences LLC	OLD PAY	
850.3020	Honey Bee Acute Contact Toxicity	44144429		OLD	See endnote ¹³
Non-guideline	Honey Bee Subacute Dietary Toxicity	44617717		OLD	See endnote ¹⁴
Non-guideline	Honey Bee Brood Development	45065501		OLD	See endnote ¹⁵
Non-guideline	Honey Bee Larval	49672801	Dow AgroSciences, LLC	PAY	
850.3030	Honeybee Toxicity of Residues on Foliage				See 850.3040
850.3040	Field Testing for Pollinators	48962201 48962202	Dow AgroSciences LLC Dow AgroSciences LLC	PAY PAY	See endnote ¹⁶
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required ¹⁷
870.6200	Acute Neurotoxicity – Rat	44617802		OLD	See endnote ¹⁸
870.3100	90-Day Oral: Rodent	44617722		OLD	See endnote ¹⁹
870.3150	90-Day Oral: Non-Rodent	44617724		OLD	See endnote ²⁰
870.3200	21/28-Day Dermal Toxicity	44617725		OLD	See endnote ²¹
870.3250	90-Day Dermal Toxicity				Not required ²²

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 5 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3465	90-Day Inhalation Toxicity				Not required ²³
870.6100	28-Day Delayed Neurotoxicity Hen				Not required ²⁴
870.6200	90-Day Neurotoxicity	44617803		OLD	See endnote ²⁵
870.4100	Chronic Oral Rodent	44617731		OLD	See endnote ²⁶
870.4200	Carcinogenicity	44617731 44617729		OLD OLD	See endnote ²⁷
870.3700	Reproduction/Developmental Toxicity Screening Test	44638201 44617726		OLD OLD	See endnote ²⁸
870.3800	2-Generation Reproduction: Rat	44617727		OLD	See endnote ²⁹
870.6300	Developmental Neurotoxicity Study				Not required ³⁰
870.5100	Bacterial Reverse Mutation Test	44144428 44617733		OLD OLD	See endnote ³¹
870.5300, 870.5375	In vitro Mammalian Cell Assay	44617734 44617735		OLD OLD	See endnote ³²
870.5385, 870.5395, 870.5450; 870.5550	In vivo Cytogenetics and Other Effects	44617801		OLD	See endnote ³³
870.7485	Metabolism and Pharmacokinetics	44617804		OLD	See endnote ³⁴
870.7200	Companion Animal Safety				Not required
870.7600	Dermal Penetration	44638202		OLD	See endnote ³⁵
870.7800	Immunotoxicity	48592601	Dow AgroSciences LLC	PAY	See endnote ³⁶
875.1100	Dermal Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ³⁷
875.1200	Dermal Exposure - Indoor				Not required
875.1300	Inhalation Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ³⁷

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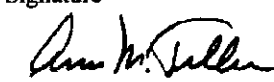
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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 6 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1400	Inhalation Exposure - Indoor				Not required
875.1500	Biological Monitoring				Not required
875.1600	Data Reporting and Calculations				Not required
875.1700	Product Use Information				Not required
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues	44626313		OLD	Not required ³⁸
875.2200	Soil Residue Dissipation		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2400	Dermal Exposure		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2500	Inhalation Exposure		Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
875.2600	Biological Monitoring				Not required
875.2700	Product Use Information				Not required
875.2800	Descriptions of Human Activity				Not required
875.2900	Data Reporting and Calculations				Not required
875.3000	Nondietary Ingestion Exposure				Not required
890.1100	Amphibian Metamorphosis	48938701	Dow AgroSciences, LLC	PAY	
201-1	Droplet Size Spectrum		Spray Drift Task Force	OWN	See endnote ⁴⁰
202-1	Droplet Size Spectrum		Spray Drift Task Force	OWN	See endnote ⁴⁰

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 7 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4100	Tier 1: Seedling Emergence				Not required ⁴¹
850.4150	Tier 1: Vegetative Vigor				Not required ⁴²
850.4400, 850.5400	Tier 1: Aquatic Plant Growth	44617718		OLD	See endnote ⁴³
850.4100	Tier 2: Seedling Emergence				Not required ⁴¹
850.4150	Tier 2: Vegetative Vigor				Not required ⁴²
850.4400, 850.5400	Tier 2: Aquatic Plant Growth	44617718		OLD	See endnote ⁴³
850.4300	Terrestrial Field				Not required
850.4450	Aquatic Field				Not required
850.4025	Target Area Phytotoxicity				Not required
850.4550	Cyanobacteria Toxicity				Not required
835.2120	Hydrolysis	44144430		OLD	See endnote ⁴⁴
835.2240	Photodegradation in Water	44144431 44617805		OLD OLD	See endnote ⁴⁵
835.2410	Photodegradation in Soil	44617806		OLD	See endnote ⁴⁶
835.2370	Photodegradation in Air				Not required
835.4100	Aerobic Soil Metabolism	44617807 44617808 44144432		OLD OLD OLD	See endnote ⁴⁷
835.4200	Anaerobic Soil Metabolism				Not required ⁴⁸
835.4300	Aerobic Aquatic Metabolism	44617809		OLD	See endnote ⁴⁹
835.4400	Anaerobic Aquatic Metabolism	44617810		OLD	See endnote ⁵⁰
835.1230	Leaching/Adsorption/Desorption	44144433		OLD	See endnote ⁵¹
835.1410	Volatility – Laboratory				Not required ⁵²

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 8 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.8100	Volatility – Field				Not required ⁵³
835.6100	Soil Field Dissipation Study	44617811 44617812 44617827		OLD OLD OLD	See endnote ⁵⁴
835.6200	Aquatic Sediment Field Dissipation Study				Not required
835.6300	Forest Field Dissipation Study				Not required
835.6400	Combination and Tank Mixes				Not required
835.7100	Ground Water Monitoring				Not required ⁵⁵
Non-guideline	Surface Water Monitoring	49340301	Dow AgroSciences LLC	PAY	
850.6100	Environmental Chemistry Methods	47824201 47809902 47809903 49525701 49525702 49525703 49525704	Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC Dow AgroSciences LLC	PAY PAY PAY PAY PAY PAY PAY	See endnote ⁵⁶
860.1300	Nature of the Residue: Plants	44617816 44617817 44617818 44873405		OLD OLD OLD OLD	
860.1300	Nature of the Residue: Livestock	44617819 44617820		OLD OLD	
860.1850	Confined Rotational Crops	44617832		OLD	

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 9 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Residue Analytical Methods	44617821		OLD	
		44617822		OLD	
		44626303		OLD	
		44626304		OLD	
		44626305		OLD	
		44689101		OLD	
		44873410		OLD	
		44873411		OLD	
		45194701		OLD	
		45194702		OLD	
		45213502		OLD	
		45213503		OLD	
		45213504		OLD	
		45213505		OLD	
		45213506		OLD	
		45313302		OLD	
		45313303		OLD	
		45373502	Dow AgroSciences LLC	PAY	
860.1360	Multiresidue Method	45373503	Dow AgroSciences LLC	PAY	
		46018002	Dow AgroSciences LLC	PAY	
		46018003	Dow AgroSciences LLC	PAY	
		46018004	Dow AgroSciences LLC	PAY	
		46018005	Dow AgroSciences LLC	PAY	
		46039301	Dow AgroSciences LLC	PAY	

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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 10 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage Stability	44617825 44617826 44626306 44689102 45194703 45213507 45213508 45213509 45213510 45213511		OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: acerola	46879002	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: avocado	47135702	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: black sapote	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: Brassica vegetables (Group 5)	44924303		OLD	
860.1500	Magnitude of the Residue in Plants: bushberries (Subgroup 13-07B)	47135703 46879002	IR-4 IR-4	PL PL	
860.1500	Magnitude of the Residue in Plants: caneberries (Subgroup 13-07A)	48994103	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: canistel	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: citrus fruits (Group 10)	47556401 48145301 48402601	IR-4 IR-4 IR-4	PL PL PL	
860.1500	Magnitude of the Residue in Plants: corn	45213513		OLD	

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 11 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: cotton	44617829 44617830 44848610		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: cranberry (including high bush cranberry)	45651401	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: cucurbits (Group 9)	45795201 45800201 45805201	IR-4 IR-4 IR-4	PL PL PL	
860.1500	Magnitude of the Residue in Plants: dates	48994104	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: feijoa	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: fruiting vegetables (Group 8-10)	44873406 44873407		OLD OLD	
860.1500	Magnitude of the Residue in Plants: globe artichoke	45546901	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: grass forage, fodder and hay (Group 17)	46879004	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: green onion (Subgroup 3-07B)	47135701 49420201	IR-4 IR-4	PL PL	
860.1500	Magnitude of the Residue in Plants: guava	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: herbs (Subgroup 19A)	48994101 49420201	IR-4 IR-4	PL PL	
860.1500	Magnitude of the Residue in Plants: jaboticaba	44873408		OLD	

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 12 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: leafy vegetables (Group 4)	44924304 45870501 47912701 48481701 48499801	Dow AgroSciences LLC Dow AgroSciences LLC IR-4 IR-4	OLD PAY PAY PL PL	
860.1500	Magnitude of the Residue in Plants: legume vegetables (Group 6)	45795101 46153802 46160801 46160803 46160804 46182401 46879003 47556402	IR-4 Dow AgroSciences LLC IR-4 IR-4 IR-4 IR-4 IR-4 IR-4	PL PAY PL PL PL PL PL PL	
860.1500	Magnitude of the Residue in Plants: longan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: low growing berry (Group 13-07G)	46159301	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: lychee	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: mamey sapote	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: mango	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: nongrass forage, fodder, straw, and hay (Group 18)	46986201	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: papaya	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: passionfruit	44873408		OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 13 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
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King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: peanut	46879005	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: peppermint	46082601	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: pineapple	49108101	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: pome fruits (Group 11-10)	44626307 44626309 44626310 44626311 44626312 44848608 44848609		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: pistachios	45373504	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: pomegranate	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: popcorn	45213513		OLD	
860.1500	Magnitude of the Residue in Plants: pulasan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: rambutan	45597801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: root vegetables (Subgroup 1A, 1B)	46143401 46143402 46143403 48402602 48402603	IR-4 IR-4 IR-4 IR-4 IR-4	PL PL PL PL PL	
860.1500	Magnitude of the Residue in Plants: sapodilla	46149801	IR-4	PL	

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 14 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: small fruit vine climbing (except fuzzy kiwifruit) (Group 13-07F)	49731303 44873408	Dow AgroSciences, LLC	PAY OLD	
860.1500	Magnitude of the Residue in Plants: sorghum (grain and sweet)	48994102	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: spearmint	46082601	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: star apple	46149801	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: star fruit	47135703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: stone fruits (Crop 12-12)	46606301 45313304	Dow AgroSciences, LLC	PAY OLD	
860.1500	Magnitude of the Residue in Plants: tree nuts (Group 14-12)	45373504	Dow AgroSciences LLC	PAY	
860.1500	Magnitude of the Residue in Plants: tuberous and corn vegetables (except potato) (Subgroup 1D)	46879001	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: wax jambu	44626307 44626309 44626310 44626311 44626312 44848608 44848609		OLD OLD OLD OLD OLD OLD OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 15 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: citrus	47556401 48145301 48402601	IR-4 IR-4 IR-4	PL PL PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: corn	45213514		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: cotton	44617831		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: tomato	44873406		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: soybean	46153802	Dow AgroSciences LLC	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: peanut	46879005	IR-4	PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: pineapple	49108101	Dow AgroSciences LLC	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: apple	44626311		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sorghum	48994102	IR-4	PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: grape	44873408		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: prune	45313304		OLD	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	44626308 45213512		OLD OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments				Not required
860.1900	Field Rotational Crops	45194704 45870502 46018001	Dow AgroSciences LLC Dow AgroSciences LLC	OLD PAY PAY	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Endnotes for Data Matrix for UPL Delaware, Inc. UPI Methoxyfenozide Technical

- ¹ **850.2100** – The study cited was classified as acceptable and satisfies the data requirement as per the Sept. 16, 2015 Registration Review: Preliminary Environmental Fate and Ecological Risk Assessment Endangered Species Effects Determination for Methoxyfenozide (DP Barcode 427543) (EFED RA). Based on the April 25, 2013 Registration Review: Preliminary Problem Formulation for Environmental Fate, Ecological Risk, Endangered Species and Human Health Drinking Water Exposure Assessments for Methoxyfenozide (DP Barcode D404482) (Problem Formulation), passerine data did not appear to be required and are not cited.
- ² **850.2200** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ³ **850.2300** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁴ **850.1075** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁵ **850.1010** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁶ **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁷ **850.1300** – MRID 44617714 was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation. MRID 45032801, a supplemental study, is also cited.
- ⁸ **850.1350** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁹ **850.1400** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁰ **850.1400** – The study cited appears to satisfy the data requirement as per the EFED RA and Problem Formulation.
- ¹¹ **850.1500** – The study cited was classified as acceptable and satisfies the data requirement as per the Problem Formulation.
- ¹² **850.1710, 850.1730, 850.1850** – MRID 44617813 was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation. MRID 45702704 was submitted in response to a condition for registration and is also cited.
- ¹³ **850.3020** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁴ **Non-guideline** – The study cited was classified as supplemental but satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁵ **Non-guideline** – The study cited was classified as supplemental but satisfies the data requirement as per the EFED RA and Problem Formulation.
- ¹⁶ **850.3040** – The studies cited were referenced in the EFED RA and Problem Formulation.
- ¹⁷ **870.6100** – These data were not required as per the Sept. 8, 2015 Methoxyfenozide: Human Health Draft Risk Assessment for Registration Review and New Use Risk Assessment to Support the Registration of Proposed Use on Chives, and Crop Group Expansions for Stone Fruit and Tree Nuts (DP Barcodes D422208 and D427542) (Human Health RA).
- ¹⁸ **870.6200** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the May 10, 2013 Methoxyfenozide Human Health Assessment Scoping Document in Support of Registration Review (DP Barcode D408668) (Scoping Document).
- ¹⁹ **870.3100** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁰ **870.3150** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²¹ **870.3200** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document. Note: the MRID listed in the Scoping Document and Human Health RA appears to have been incorrectly cited (MRID 44517725 as opposed to 44617725); the correct MRID is cited.
- ²² **870.3250** – These data were not required as per Human Health RA.
- ²³ **870.3465** – These data were not required as per Human Health RA and the April 17, 2012 Methoxyfenozide: Summary of Hazard and Science Policy Council (HASPOC) Meeting of March 29, 2012: Recommendation on the Need for a 28-Day Inhalation Study (HASPOC).
- ²⁴ **870.6100** – These data were not required as per Human Health RA.

-
- ²⁵ **870.6200** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁶ **870.4100** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ²⁷ **870.4200** – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ²⁸ **870.3700** – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ²⁹ **870.3800** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁰ **870.6300** – These data were not required as per Human Health RA.
- ³¹ **870.5100** – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ³² **870.5300, 870.5375** – The studies cited were classified as acceptable and satisfy the data requirement as per the Human Health RA and the Scoping Document.
- ³³ **870.5385, 870.5395, 870.5450, 870.5550** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁴ **870.7485** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁵ **870.7600** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁶ **870.7800** – The study cited was classified as acceptable and satisfies the data requirement as per the Human Health RA and the Scoping Document.
- ³⁷ **875.1100, 875.1300** – UPI is a licensee in good standing with the Agricultural Handler Exposure Task Force.
- ³⁸ **875.2100** – Although these data are not required as per the Scoping Document, a dislodgeable residue study is cited.
- ³⁹ **875.2200, 875.2400, 875.2500** – UPI is a member in good standing with the Outdoor Residential Exposure Task Force and the Agricultural Re-Entry Task Force.
- ⁴⁰ **201-1, 202-1** – UPI is a member in good standing with the Spray Drift Task Force.
- ⁴¹ **850.4100** – No data have been submitted, nor were data required in the EFED RA or the Problem Formulation.
- ⁴² **850.4150** – No data have been submitted, nor were data required in the EFED RA or the Problem Formulation.
- ⁴³ **850.4400, 850.5400** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁴ **835.2120** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁵ **835.2240** – The studies cited were classified as acceptable and satisfy the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁶ **835.2410** – The study cited was classified as acceptable and satisfies the data requirement as per the EFED RA and Problem Formulation.
- ⁴⁷ **835.4100** – Although the studies cited were classified as supplemental, they satisfy the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁴⁸ **835.4200** – These data were not required as per the Problem Formulation.
- ⁴⁹ **835.4300** – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵⁰ **835.4400** – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵¹ **835.1230** – Although the study cited was classified as supplemental, it satisfies the data requirement and no further data were required as per the EFED RA and Problem Formulation.
- ⁵² **835.1410** – These data were not required as per the Problem Formulation.
- ⁵³ **835.8100** – These data were not required as per the Problem Formulation.
- ⁵⁴ **835.6100** – Although the studies cited were classified as supplemental, they satisfy the data requirement and no further data were required as per the EFED RA and Problem Formulation. MRID 44617827, a soil storage stability study, is also cited.
- ⁵⁵ **835.7100** – These data were not required as per the Problem Formulation.
- ⁵⁶ **850.6100** – The studies cited appear to satisfy the data requirement as per the EFED RA.



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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 1 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

	Submitter	Status	Note
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
			Not applicable for technical
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	PRN 92-5
	UPL Delaware, Inc.	OWN	Not applicable for TGAI
	UPL Delaware, Inc.	OWN	PRN 92-5
			Not applicable for TGAI

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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DATA MATRIX

Date: April 10, 2017


EPA Reg No./ File Symbol: 91813-T

Page 2 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozone Technical

Ingredient: Methoxyfenozone (CAS No. 161050-58-4)

	Submitter	Status	Note
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Not applicable to solids
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Not applicable to solids
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	Waiver. TGAI is not a fibrous material or water-insoluble
	UPL Delaware, Inc.	OWN	
			See 830.7550
			See 830.7550
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
			See 830.7840
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	

Signature



Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 3 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

	Submitter	Status	Note
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
	UPL Delaware, Inc.	OWN	
		OLD	See endnote ¹
		OLD	See endnote ²
		OLD	
		OLD	Not required
		OLD	See endnote ³
		OLD	
		OLD	
		OLD	Not required
		OLD	See endnote ⁴
		OLD	See endnote ⁵
		OLD	See endnote ⁶
		OLD	
		OLD	See endnote ⁷
		OLD	
		OLD	See endnote ⁸
		OLD	See endnote ⁹
		OLD	See endnote ¹⁰

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
	OLD	See endnote ¹¹
	OLD	See endnote ¹²
Dow AgroSciences LLC	PAY	
		Not required
		Not required
		Not required
Dow AgroSciences LLC	OLD	
	PAY	
	OLD	See endnote ¹³
	OLD	See endnote ¹⁴
	OLD	See endnote ¹⁵
Dow AgroSciences, LLC	PAY	
		See 850.3040
Dow AgroSciences LLC	PAY	See endnote ¹⁶
Dow AgroSciences LLC	PAY	
		Not required ¹⁷
	OLD	See endnote ¹⁸
	OLD	See endnote ¹⁹
	OLD	See endnote ²⁰
	OLD	See endnote ²¹
		Not required ²²

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
		Not required ²³
		Not required ²⁴
	OLD	See endnote ²⁵
	OLD	See endnote ²⁶
	OLD	See endnote ²⁷
	OLD	
	OLD	See endnote ²⁸
	OLD	
	OLD	See endnote ²⁹
		Not required ³⁰
	OLD	See endnote ³¹
	OLD	
	OLD	See endnote ³²
	OLD	
	OLD	See endnote ³³
	OLD	See endnote ³⁴
		Not required
	OLD	See endnote ³⁵
Dow AgroSciences LLC	PAY	See endnote ³⁶
Agricultural Handler Exposure TF	OWN	See endnote ³⁷
		Not required
Agricultural Handler Exposure TF	OWN	See endnote ³⁷

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
		Not required
		Not required
		Not required
		Not required
	OLD	Not required ³⁸
Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
Outdoor Residential Exposure TF Agricultural Re-Entry TF	OWN	See endnote ³⁹
		Not required
		Not required
		Not required
		Not required
		Not required
Dow AgroSciences, LLC	PAY	
Spray Drift Task Force	OWN	See endnote ⁴⁰
Spray Drift Task Force	OWN	See endnote ⁴⁰

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
		Not required ⁴¹
		Not required ⁴²
	OLD	See endnote ⁴³
		Not required ⁴¹
		Not required ⁴²
	OLD	See endnote ⁴³
		Not required
		Not required
		Not required
		Not required
	OLD	See endnote ⁴⁴
	OLD	See endnote ⁴⁵
	OLD	
	OLD	See endnote ⁴⁶
		Not required
	OLD	See endnote ⁴⁷
	OLD	
	OLD	
		Not required ⁴⁸
	OLD	See endnote ⁴⁹
	OLD	See endnote ⁵⁰
	OLD	See endnote ⁵¹
		Not required ⁵²

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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EPA Reg No./ File Symbol: 91813-T

Page 8 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

Submitter	Status	Note
		Not required ⁵³
	OLD OLD OLD	See endnote ⁵⁴
		Not required
		Not required
		Not required
		Not required ⁵⁵
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	See endnote ⁵⁶
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
Dow AgroSciences LLC	PAY	
	OLD OLD OLD OLD	
	OLD OLD	
	OLD	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 9 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	PAY	
	Dow AgroSciences LLC	OLD	
	Dow AgroSciences LLC	PAY	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 10 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

	Submitter	Status	Note
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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WASHINGTON, D.C. 20460


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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

	Submitter	Status	Note
		OLD	
		OLD	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

Submitter	Status	Note
Dow AgroSciences LLC	OLD	
Dow AgroSciences LLC	PAY	
IR-4	PAY	
IR-4	PL	
IR-4	PL	
Dow AgroSciences LLC	PL	
IR-4	PAY	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
IR-4	PL	
Dow AgroSciences LLC	PL	
IR-4	PAY	
	PL	
	OLD	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

	Submitter	Status	Note
	IR-4	PL	
	IR-4	PL	
	Dow AgroSciences LLC	PAY	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
		OLD	
	Dow AgroSciences LLC	PAY	
	IR-4	PL	
		OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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DATA MATRIX

Date: April 10, 2017

EPA Reg No./ File Symbol: 91813-T

Page 14 of 18

Applicant's/Registrant's Name and Address: UPL Delaware, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

Product: UPI Methoxyfenozide Technical

Ingredient: Methoxyfenozide (CAS No. 161050-58-4)

	Submitter	Status	Note
	Dow AgroSciences, LLC	PAY OLD	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
	Dow AgroSciences, LLC	PAY OLD	
	Dow AgroSciences LLC	PAY	
	IR-4	PL	
		OLD OLD OLD OLD OLD OLD OLD	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 15 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

	Submitter	Status	Note
	IR-4	PL	
	IR-4	PL	
	IR-4	PL	
		OLD	
		OLD	
		OLD	
	Dow AgroSciences LLC	PAY	
	IR-4	PL	
	Dow AgroSciences LLC	PAY	
		OLD	
	IR-4	PL	
		OLD	
		OLD	
		OLD OLD	

Signature

Name and Title

Ann M. Tillman, Consultant

Date

April 10, 2017



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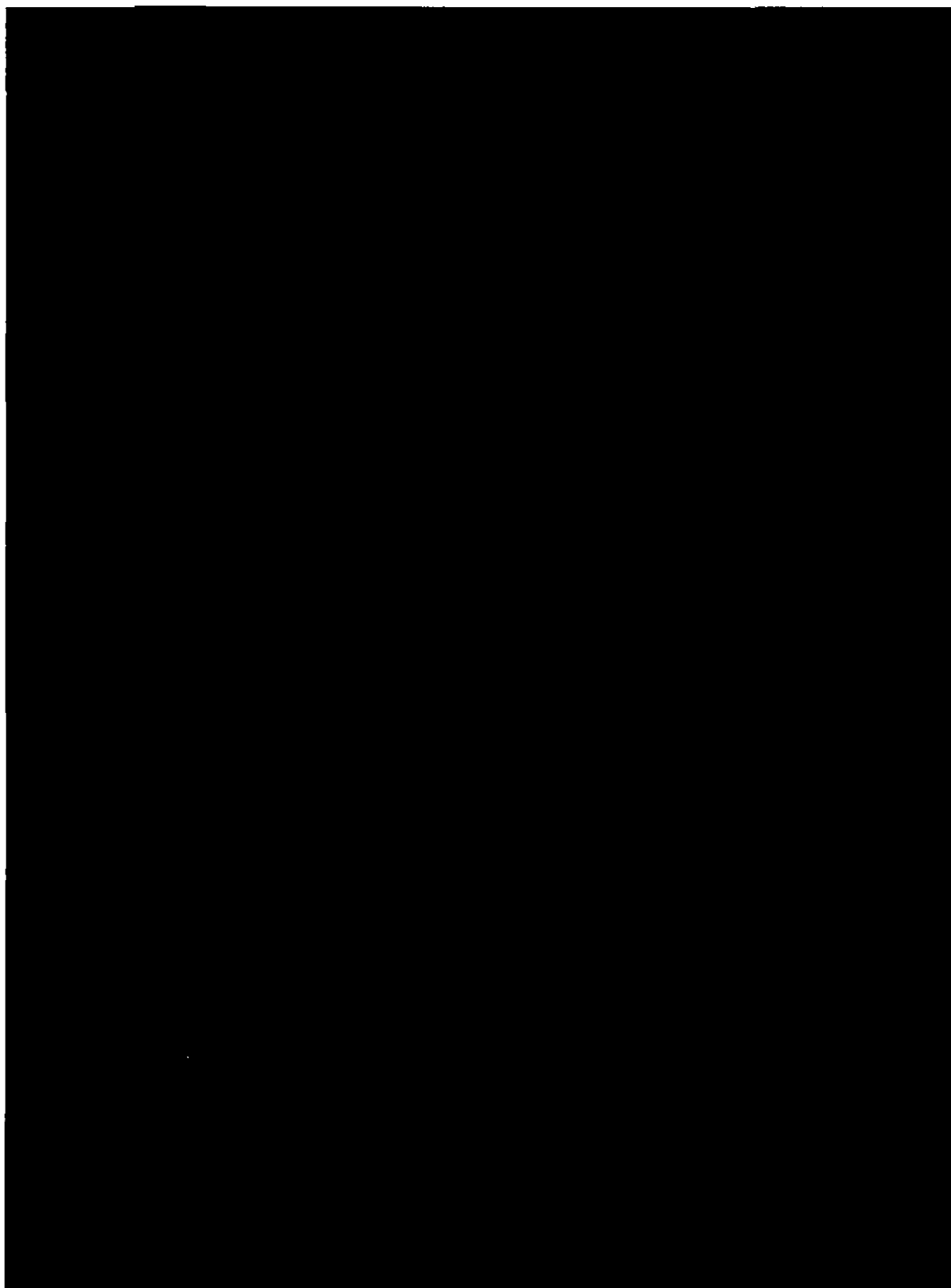
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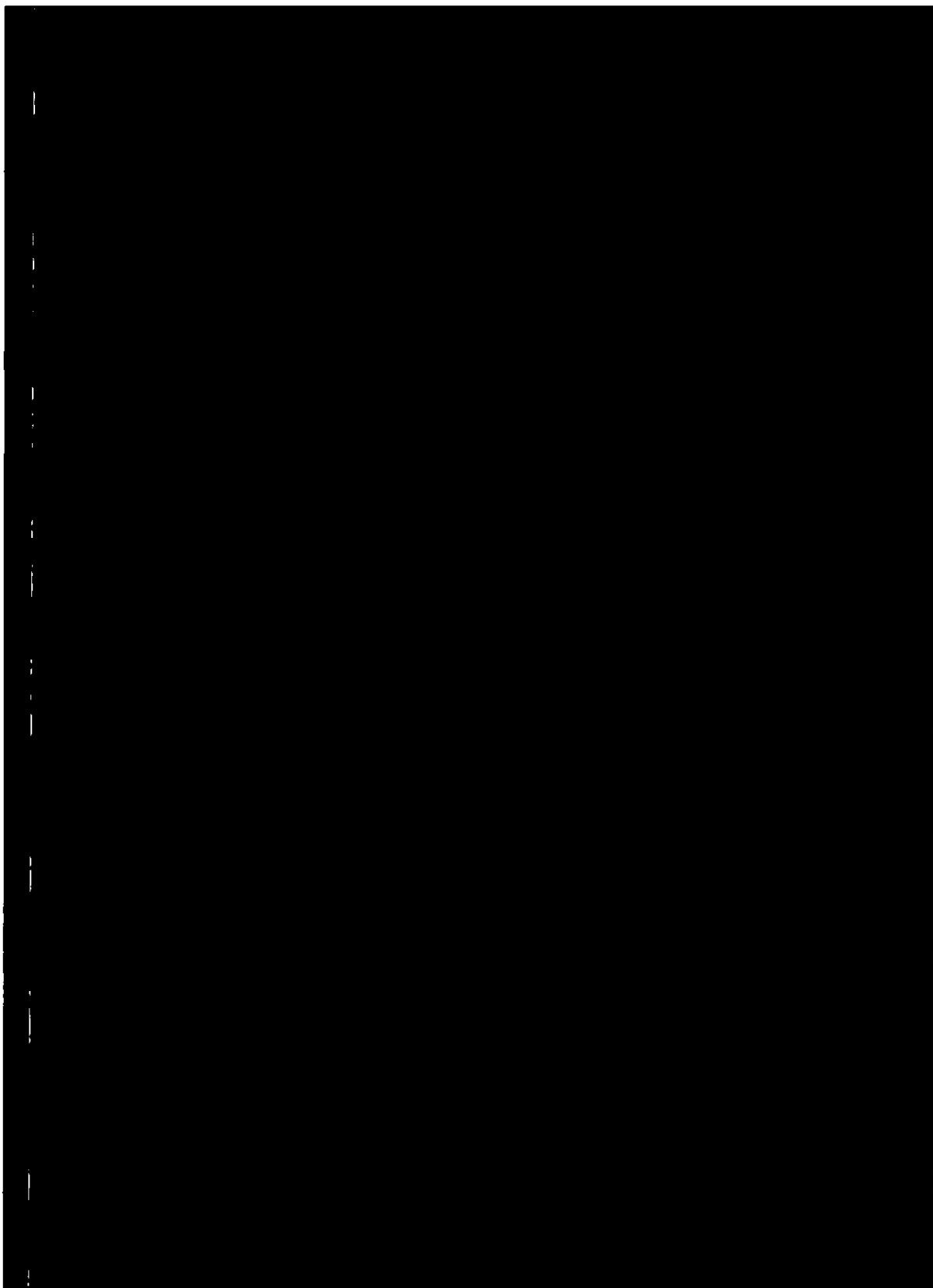
DATA MATRIX

Date: April 10, 2017	EPA Reg No./ File Symbol: 91813-T	Page 16 of 18
Applicant's/Registrant's Name and Address: UPL Delaware, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: UPI Methoxyfenozide Technical	
Ingredient: Methoxyfenozide (CAS No. 161050-58-4)		

	Submitter	Status	Note
			Not required
			Not required
			Not required
			Not required
	Dow AgroSciences LLC Dow AgroSciences LLC	OLD PAY PAY	

Signature 	Name and Title Ann M. Tillman, Consultant	Date April 10, 2017
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Pesticide Data Submitters List
By Active Chemical Code -Jan 11, 2017 Edition

*DOW CLAIMING EXCLUSIVE USE
 FOR METHOXYFENOZIDE*

Company # Company Address

62719 DOW AGROSCIENCES LLC
 9330 ZIONSVILLE RD 308/2E
 INDIANAPOLIS, IN 46268

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
Y		Y		Y	Y	Y	Y	Y	Y

Company # Company Address

66607 SPRAY DRIFT TASK FORCE
 MCKENNA, LONG & ALDRIDGE LLP
 1900 K STREET, NW
 WASHINGTON, DC 20006

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

Company # Company Address

71754 OUTDOOR RESIDENTIAL EXPOSURE TASK FORC
 BEVERIDGE & DIAMOND, P.C.
 1350 I STREET, N.W.
 WASHINGTON, DC 20005

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

Company # Company Address

71755 AGRICULTURAL REENTRY TASK FORCE
 BEVERIDGE & DIAMOND, P.C.
 1350 I STREET, N.W.
 WASHINGTON, DC 20005

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

Company # Company Address

73989 FIFRA ENDANGERED SPECIES TASK FORCE, L
 C/O COMPLIANCE SERVICES INTERNATIONAL
 7501 BRIDGEPORT WAY, WEST
 LAKEWOOD, WA 98499

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

Company # Company Address

75234 AGRICULTURAL HANDLER EXPOSURE TASK FOR
 JOHNSON MANAGEMENT & CONSULTING, LLC
 P.O. Box 509
 1720 PROSPECT DRIVE
 MACON, MO 63552

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

Company # Company Address

91813 UPL DELAWARE INC.
 UNITED PHOSPHORUS INC.
 630 FREEDOM BUSINESS CENTER
 KING OF PRUSSIA, PA 19406

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
							Y		Y

CHEMICAL CHEMICAL NAME

121101 Nifluridide

Pesticide Data Submitters List
By Active Chemical Code -Jan 11, 2017 Edition

CHEMICAL CHEMICAL NAME
 121026 Halofenozide

Company # Company Address

62719 DOW AGROSCIENCES LLC
 9330 ZIONSVILLE RD 308/2E
 INDIANAPOLIS, IN 46268

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
		Y				Y			

Company # Company Address

66607 SPRAY DRIFT TASK FORCE
 MCKENNA, LONG & ALDRIDGE LLP
 1900 K STREET, NW
 WASHINGTON, DC 20006

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

Company # Company Address

69075 ROHMID LLC
 100 INDEPENDENCE MALL WEST
 PHILADELPHIA, PA 19106

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			Y

Company # Company Address

71754 OUTDOOR RESIDENTIAL EXPOSURE TASK FORCE
 BEVERIDGE & DIAMOND, P.C.
 1350 I STREET, N.W.
 WASHINGTON, DC 20005

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

Company # Company Address

73989 FIFRA ENDANGERED SPECIES TASK FORCE, L
 C/O COMPLIANCE SERVICES INTERNATIONAL
 7501 BRIDGEPORT WAY, WEST
 LAKEWOOD, WA 98499

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

Company # Company Address

74888 RESIDENTIAL EXPOSURE JOINT VENTURE (RE
 CSPA/PIR
 1667 K STREET, NW, SUITE 300
 WASHINGTON, DC 20006

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

CHEMICAL CHEMICAL NAME
 121027 Methoxyfenozide

Pesticide Data Submitters List
By Active Chemical Code -Jan 11, 2017 Edition

*****EDITION DATE Jan 11, 2017*****

REPORT OF PESTICIDE DATA SUBMITTERS IN EPA FILES BY CHEMICAL

Data Type Legend

EFF = Efficacy Data	FRE = Fate/Residues Data
EXP = Exposure Data	OT = Other Data
EXU = Exclusive Use Data	PC = Product Chemistry Data
FA = Fate in Animals Data	RC = Residue Chemistry Data
FEP = Fate/Effects in Plants Data	TC = Toxicology Data

CHEMICAL CHEMICAL NAME
000011 Methane, iodo-

METHOXYFENOSIDE

YES TO E.U. CLAIM

Company # Company Address

66330 ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
					Y		Y		Y

Company # Company Address

75234 AGRICULTURAL HANDLER EXPOSURE TASK FOR
JOHNSON MANAGEMENT & CONSULTING, LLC
P.O. Box 509
1720 PROSPECT DRIVE
MACON, MO 63552

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
						Y			

CHEMICAL CHEMICAL NAME

000013 Trichlorofluoromethane (No longer approved for inert

Company # Company Address

499 BASF CORPORATION
P.O. Box 13528
26 DAVIS DRIVE
RESEARCH TRIANGLE PARK, NC 27709

Data Types									
EFF	EXP	EXU	FA	FEP	FRE	OT	PC	RC	TC
Y						Y			

**Pending and Active Registrations For
Ingredient
121027 / 161050-58-4 / Methoxyfenozide**

Registration #	Registration Name	Company #	Company Name	Current Status	% of Active Ingredient
34704-RRNT	Invertid 2F	34704	LOVELAND PRODUCTS, INC.	<u>Pending - Under Review (10-Nov-2016)</u>	22.6
62719-437	METHOXYFENOZIDE TECHNICAL <i>D# 206184</i>	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (05-Jul-2000)</u>	98.2
62719-438	INTREPID 80WSP AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (05-Jul-2000)</u>	80
62719-442	INTREPID 2F INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (18-Sep-2000)</u>	22.6
62719-444	INTREPID MUP	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (05-Jul-2000)</u>	80
62719-666	GF-3028	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (22-Jul-2013)</u>	28.3
62719-667	GF-2986	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (29-Aug-2013)</u>	20.6
70506-GGE	Zylo Insecticide	70506	UNITED PHOSPHORUS, INC	<u>Pending - Under Review (03-Oct-2016)</u>	22.6
91813-T	UPI Methoxyfenozide Technical <i>THIS ACTION</i>	91813	UPL DELAWARE INC.	<u>Pending - Under Review (23-Feb-2016)</u>	98.2

CA060013	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Registered</u> (01-Jul-2014)	22.6
CA060026	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Registered</u> (01-Jul-2014)	22.6
CA070015	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Registered</u> (01-Jul-2014)	22.6
CO120002	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered</u> (12-Sep-2012)	22.6
FL100001	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review</u> (25-Jan-2010)	22.6
MS060014	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review</u> (12-Jul-2006), <u>Concurrent - Pending Cancellation</u> (02-Jul-2014)	22.6
NC060003	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review</u> (19-Jun-2006)	22.6
NE120001	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered</u> (26-Sep-2012)	22.6
WY120005	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered</u> (26-Sep-2012)	22.6
08LA06		800018	LA Dept. of Agriculture & Forestry	<u>Active - Issued</u> (22-Jul-2008)	
15CA05		800004	CA EPA	<u>Active - Issued</u> (24-Aug-2015)	
				<u>Pending -</u>	

16CA03		800004	CA EPA	<u>Under Review (13- Jun-2016)</u>	
Total Rows: 21					

Chemical	Date Request Received	Date of Response	Granted/Denied	End Date for Exclusive Use
Carfentrazone-ethyl	4/14/2008	9/9/2009	Granted	9/30/2010
		10/4/2011	Granted	9/30/2011
	1/5/2011	1/14/2016	Granted	4/25/2021
Chlorantraniliprole (Rynaxypyr)	1/29/2007	Superseded by 1/5/2011		
Clethodim	4/28/2000	9/27/2000		
Clothianidin	11/11/2011	8/16/2012	Granted	5/30/2016
Cyantraniliprole	3/14/2014	7/16/2015	Granted	1/24/2027
Cyazofamid	9/4/2013	9/25/14	Granted	11/9/2017
	9/6/2013			
Cymoxanil	10/19/2007	11/16/2010	Granted	5/6/2009
Cyprodinil	2/1/2008	4/21/2010	Granted	4/10/2010
Dinotefuran	5/13/2013	2/28/2014	Granted	9/17/2017
Etoxazole	8/11/2010	4/20/2012	Granted	8/22/2015
Famoxadone	10/19/2007	Pending		
Fenhexamid	5/12/2009	12/8/2009	Denied	
		6/19/2006	Denied	
Fenpyroximate	9/9/2013	11/25/2014	Granted	4/27/2017

Chemical	Date Request Received	Date of Response	Granted/ Denied	End Date for Exclusive Use
Fluazinam	10/15/2010	8/9/2011	Granted	8/10/2014
Fludioxonil	1/29/2004	11/1/2005	Granted, In Part	10/5/2007
Flumioxazin	8/15/2008	12/16/2008	Granted	4/12/2014
Forchlorfenuron	10/17/2014	1/8/2016	Withdrawn	2/2/2015
Indoxacarb	10/16/2007	9/10/2009	Granted	10/30/2013
Mesotrione	1/15/2009	5/11/2012	Granted	6/4/2014
Metconazole	12/27/2013	1/20/2015	Granted	9/28/2020
Prothioconazole	5/5/2014	6/3/2015	Granted	3/27/2020
Pyraclostrobin	8/2/2007	1/11/2012	Granted	9/30/2015
Pyriproxyfen	4/11/2002	6/21/2004	Granted	9/15/2008
Quinoxifen	7/2/2008	Pending		
S-metholachlor	2/15/2005	9/15/2009	Denied	9/15/2009
Saflufenacil	12/15/2014	01/05/2016	Granted	9/03/2022
Spinetoram	12/1/2015	12/1/2016	Granted	9/28/2020
Spinosad	9/19/2003	10/22/2010	Granted	8/30/2010
Spirodiclofen	10/17/2012	7/19/2013	Granted	6/30/2018
Spiromesifen	11/14/2007	9/10/2009	Granted	5/3/2018

Chemical	Date Request Received	Date of Response	Granted/Denied	End Date for Exclusive Use
Spirotetramat	9/23/2013	12/19/2014	Granted	2/4/2022
Sulfentrazone	7/26/2006	6/11/2007	Granted	2/27/2009
Tetraconazole	5/19/14	4/8/2015	Granted	4/14/2016

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Petitions Filed to Establish New Exclusive Use Periods for a Specific Commodity

Current as of April 2016

Petitions Filed to Establish a New Exclusive Use Period for a Specific Commodity- FIFRA § 3(c)(1) (F)(vi)

Find more information about exclusive use periods.

Chemical	Date Request Received	Date of Response	Granted/Denied	End Date for Exclusive Use
Cyprodinil	12/2/2014	4/1/2016	Denied	
	3/31/2015	5/11/2016	Denied	
Deltamethrin	9/6/2013	3/11/2016	Partially Granted	9/19/2023
Difenoconazole	10/3/2006	8/29/2013	Granted	10/3/2016
	12/18/2009	8/29/2013	Granted	12/18/2019

Chemical	Date Request Received	Date of Response	Granted/Denied	End Date for Exclusive Use
	12/26/2013 10/29/2014	6/1/2015	Partially Granted	10/29/2024
Fenpropathrin	3/15/2005	9/25/2006	Denied	
Halosulfuron	6/3/2009	9/10/2009	Denied	
Fluridone	8/29/2014	2/12/2016	Granted	8/29/2024
Quinoxifen	7/2/2008	9/25/2009	Denied	
Thiabendazole	2/19/2014	9/25/2014	Granted	3/18/2023

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Generic Data Call-In Notice, 121027-1378, Methoxyfenozide

Posted: 05/15/2014

Agency: Environmental Protection Agency

ID: EPA-HQ-OPP-2012-0663-0032

Object ID: 09000064816eb44b

Comment Period: Not Accepted

Find related files in the docket folder: [EPA-HQ-OPP-2012-0663 \(/EPA-HQ-OPP-2012-0663-fdt-13460.aspx\)](#)

**IN FAVOR***0 Vote(s)***AGAINST***0 Vote(s)*

DOCUMENT DETAIL

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METHOXYFENOSIDE



Pesticide Registration

Petitions Requesting to Extend the Exclusive Use Period for an Active Ingredient

Petitions Requesting to Extend the Exclusive Use Period for an Active Ingredient - FIFRA § 3(c)(1)(F)(ii)

Chemical	Date Request Received	Date of Response	Granted/Denied	End Date for Exclusive Use
Acetamiprid	8/11/2008 6/2/2009	4/6/2010	Granted	3/15/2012
Azoxystrobin	9/1/2006	1/16/2009	Granted	2/7/2010
Boscalid	8/2/2007	11/21/2011	Granted	7/23/2016
Buprofezin	9/2007	8/20/2012	Granted	9/7/2013
Carfentrazone-ethyl	4/14/2008	9/9/2009 10/4/2011	Granted Granted	9/30/2010 9/30/2011
Chlorantraniliprole (Rynaxypyr)	1/5/2011 1/29/2007	1/14/2016 Superseded by 1/5/2011	Granted	4/25/2021
Clethodim	4/28/2000	9/27/2000		
Clothianidin	11/11/2011	8/16/2012	Granted	5/30/2016
Cyantraniliprole	3/14/2014	7/16/2015	Granted	1/24/2027
Cyazofamid	9/4/2013 9/6/2013	9/25/14	Granted	11/9/2017
Cymoxanil	10/19/2007	11/16/2010	Granted	5/6/2009
Cyprodinil	2/1/2008	4/21/2010	Granted	4/10/2010
Dinotefuran	5/13/2013	2/28/2014	Granted	9/17/2017
Etoxazole	8/11/2010	4/20/2012	Granted	8/22/2015
Famoxadone	10/19/2007	Pending		
Fenhexamid	5/12/2009	12/8/2009 6/19/2006	Denied Denied	
Fenpyroximate	9/9/2013	11/25/2014	Granted	4/27/2017
Fluazinam	10/15/2010	8/9/2011	Granted	8/10/2014
Fludioxonil	1/29/2004	11/1/2005	Granted, In Part	10/5/2007
Flumioxazin	8/15/2008	12/16/2008	Granted	4/12/2014
Forchlorfenuron	10/17/2014	1/8/2016	Withdrawn	2/2/2015
Indoxacarb	10/16/2007	9/10/2009	Granted	10/30/2013
Mesotrione	1/15/2009	5/11/2012	Granted	6/4/2014
Metconazole	12/27/2013	1/20/2015	Granted	9/28/2020

Chemical	Date Request Received	Date of Response	Granted/ Denied	End Date for Exclusive Use
Prothioconazole	5/5/2014	6/3/2015	Granted	3/27/2020
Pyraclostrobin	8/2/2007	1/11/2012	Granted	9/30/2015
Pyriproxyfen	4/11/2002	6/21/2004	Granted	9/15/2008
Quinoxifen	7/2/2008	Pending		
S-metholachlor	2/15/2005	9/15/2009	Denied	9/15/2009
Saflufenacil	12/15/2014	01/05/2016	Granted	09/03/2022
Spinosad	9/19/2003	10/22/2010	Granted	8/30/2010
Spirodiclofen	10/17/2012	7/19/2013	Granted	6/30/2018
Spiromesifen	11/14/2007	9/10/2009	Granted	5/3/2018
Spirotetramat	9/23/2013	12/19/2014	Granted	2/4/2022
Sulfentrazone	7/26/2006	6/11/2007	Granted	2/27/2009
Tetraconazole	5/19/14	4/8/2015	Granted	4/14/2016

Last updated on March 2, 2016



Pesticide Registration

Petitions Filed to Establish New Exclusive Use Periods for a Specific Commodity

Current as of March 2016

Petitions Filed to Establish a New Exclusive Use Period for a Specific Commodity- FIFRA § 3(c)(1)(F)(vi)

Chemical	Date Request Received	Date of Response	Granted/Denied	End Date for Exclusive Use
Cyprodinil	12/2/2014			
	3/31/2015			
Deltamethrin	9/6/2013	3/11/2016	Partially Granted	9/19/2023
Difenoconazole	10/3/2006	8/29/2013	Granted	10/3/2016
	12/18/2009	8/29/2013	Granted	12/18/2019
	12/26/2013			
	10/29/2014	6/1/2015	Partially Granted	10/29/2024
Fenpropathrin	3/15/2005	9/25/2006	Denied	
Halosulfuron	6/3/2009	9/10/2009	Denied	
Fluridone	8/29/2014	2/12/2016	Granted	8/29/2024
Quinoxifen	7/2/2008	9/25/2009	Denied	
Thiabendazole	2/19/2014	9/25/2014	Granted	3/18/2023

Last updated on March 14, 2016

Pending and Active Registrations For
Ingredient
121027 / 161050-58-4 / Methoxyfenozide

Registration #	Registration Name	Company #	Company Name	Current Status	% of Active Ingredient
62719-437	METHOXYFENOZIDE TECHNICAL	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (05-Jul-2000)</u>	98.2
62719-438	INTREPID 80WSP AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (05-Jul-2000)</u>	80
62719-442	INTREPID 2F INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (18-Sep-2000)</u>	22.6
62719-444	INTREPID MUP	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (05-Jul-2000)</u>	80
62719-666	GF-3028	62719	DOW AGROSCIENCES LLC	<u>Active - Conditionally Registered (22-Jul-2013)</u>	28.3
62719-667	GF-2986	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (29-Aug-2013)</u>	20.6
91813-T	UPI Methoxyfenozide Technical <i>THREE PRODUCTS</i>	91813	UPL DELAWARE INC.	<u>Pending - Under Review (23-Feb-2016)</u>	98.2
CA060013	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (01-Jul-2014)</u>	22.6
CA060026	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (01-Jul-2014)</u>	22.6
CA070015	INTREPID 2F	62719	DOW AGROSCIENCES	<u>Active - Registered</u>	22.6

			LLC	(01-Jul-2014)	
CO120002	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (12-Sep- 2012)</u>	22.6
FL100001	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review (25- Jan-2010)</u>	22.6
MS060014	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review (12- Jul-2006), Concurrent - Pending Cancellation (02-Jul-2014)</u>	22.6
NC060003	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review (19- Jun-2006)</u>	22.6
NE120001	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (26-Sep- 2012)</u>	22.6
WY120005	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (26-Sep- 2012)</u>	22.6
08LA06		800018	LA Dept. of Agriculture & Forestry	<u>Active - Issued (22- Jul-2008)</u>	
15CA05		800004	CA EPA	<u>Active - Issued (24- Aug-2015)</u>	
Total Rows: 18					

			LLC	(01-Jul-2014)	
CO120002	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (12-Sep- 2012)</u>	22.6
FL100001	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review (25- Jan-2010)</u>	22.6
MS060014	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review (12- Jul-2006), Concurrent - Pending Cancellation (02-Jul-2014)</u>	22.6
NC060003	INTREPID 2F	62719	DOW AGROSCIENCES LLC	<u>Active - Under Review (19- Jun-2006)</u>	22.6
NE120001	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (26-Sep- 2012)</u>	22.6
WY120005	INTREPID 2F AGRICULTURAL INSECTICIDE	62719	DOW AGROSCIENCES LLC	<u>Active - Registered (26-Sep- 2012)</u>	22.6
08LA06		800018	LA Dept. of Agriculture & Forestry	<u>Active - Issued (22- Jul-2008)</u>	
15CA05		800004	CA EPA	<u>Active - Issued (24- Aug-2015)</u>	
Total Rows: 18					

**Tolerances Information For Ingredient
121027 / 161050-58-4 / Methoxyfenozide**

Commodity	Tolerance Granted (ppm)	Current Status	Tolerance Type	CFR 40 Citation	Tolerance Expression
ACEROLA	0.400	<u>Active - Established (05-Mar- 2008)</u>	Permanent Tolerance	180.544	
ALFALFA, FORAGE		<u>Pending - Under Review (06-Nov- 2006)</u>			
ALMOND, HULLS	25.000	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
ANIMAL FEED, NONGRASS, GROUP 18	10.000	<u>Active - Amended (05- Mar-2008)</u>	Time Limited Tolerance	180.544	
ANIMAL FEED, NONGRASS, GROUP 18, HAY	150.000	<u>Active - Established (05-Mar- 2008)</u>	Permanent Tolerance	180.544	
APPLE, WET POMACE	7.000	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
ARONIA BERRY		<u>Pending - Under Review (05-Jul-2006)</u>			
ARTICHOKE, GLOBE	3.000	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
ATEMOYA	0.600	<u>Active - Established (02-Oct-2013)</u>	Permanent Tolerance	180.544	2013 ✓
AVOCADO	0.600	<u>Active - Amended (05- Mar-2008)</u>	Permanent Tolerance	180.544	
BEAN, DRY, SEED	0.240	<u>Active - Amended (05- Mar-2008)</u>	Permanent Tolerance	180.544	

BEET, SUGAR, ROOTS	0.500	<u>Active - Established</u> (11-Jul-2012)	Permanent Tolerance	180.544	
BERRY GROUP 13		<u>Pending - Under Review</u> (05-Jul-2006)			
BILBERRY		<u>Pending - Under Review</u> (05-Jul-2006)			
BIRIBA	0.600	<u>Active - Established</u> (02-Oct-2013)	Permanent Tolerance	180.544	2013 ✓
BLUEBERRY		<u>Pending - Under Review</u> (05-Jul-2006)			
BRASSICA, HEAD AND STEM, SUBGROUP 5A	7.000	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
BRASSICA, LEAFY GREENS, SUBGROUP 5B	30.000	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
CANISTEL	0.600	<u>Active - Amended</u> (05-Mar-2008)	Permanent Tolerance	180.544	
CATTLE, FAT	0.500	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
CATTLE, LIVER	0.400	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
CATTLE, MEAT	0.020	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
CATTLE, MEAT BYPRODUCTS, EXCEPT LIVER	0.100	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
CHERIMOYA	0.600	<u>Active - Established</u> (02-Oct-2013)	Permanent Tolerance	180.544	✓ 2013
CITRUS		<u>Pending - Under Review</u>			

		(30-Sep-2008)			
CITRUS, OIL	100.000	<u>Active - Amended (02-Sep-2009)</u>	Region/State Tolerance	180.544	
CORIANDER, LEAVES	30.000	<u>Active - Established (29-Sep-2004)</u>	Permanent Tolerance	180.544	
CORN, FIELD, FORAGE	10.000	<u>Inactive - Expired (10-Feb-2005)</u>	Section 18 Tolerance	180.544	
CORN, FIELD, FORAGE	15.000	<u>Inactive - Expired (10-Feb-2005)</u>	Permanent Tolerance	180.544B	
CORN, FIELD, GRAIN	0.020	<u>Inactive - Expired (10-Feb-2005)</u>	Section 18 Tolerance	180.544	
CORN, FIELD, GRAIN	0.050	<u>Inactive - Expired (10-Feb-2005)</u>	Permanent Tolerance	180.544B	
CORN, FIELD, REFINED OIL	0.100	<u>Inactive - Expired (10-Feb-2005)</u>	Permanent Tolerance	180.544	
CORN, FIELD, REFINED OIL	0.200	<u>Inactive - Expired (10-Feb-2005)</u>	Permanent Tolerance	180.544B	
CORN, FIELD, REFINED OIL	0.100	<u>Inactive - Expired (10-Feb-2005)</u>	Section 18 Tolerance	180.544	
CORN, FIELD, STOVER	75.000	<u>Inactive - Expired (10-Feb-2005)</u>	Section 18 Tolerance	180.544	
CORN, FIELD, STOVER	125.000	<u>Inactive - Expired (10-Feb-2005)</u>	Permanent Tolerance	180.544B	
CORN, POD, GRAIN	0.050	<u>Active - Established (02-Sep-2009)</u>	Permanent Tolerance	180.544	
CORN, POP, STOVER	125.000	<u>Active - Amended (02-Sep-2009)</u>	Permanent Tolerance	180.544	

CORN, SWEET, FORAGE	30.000	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
CORN, SWEET, KERNEL PLUS COB WITH HUSKS REMOVED	0.050	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
CORN, SWEET, STOVER	60.000	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
COTTON, GIN BYPRODUCTS	35.000	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
COTTON, UNDELINTED SEED	2.000	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
CRANBERRY	0.500	<u>Active - Established</u> (30-May-2003)	Permanent Tolerance	180.544	
CRANBERRY, Highbush		<u>Pending - Under Review</u> (05-Jul-2006)			
CUSTARD APPLE	0.600	<u>Active - Established</u> (02-Oct-2013)	Permanent Tolerance	180.544	2013 ✓
EGG	0.020	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
FEIJOA	0.400	<u>Active - Established</u> (05-Mar-2008)	Permanent Tolerance	180.544	
FRUIT, CITRUS, GROUP 10	10.000	<u>Active - Amended</u> (02-Sep-2009)	Region/State Tolerance	180.544	
FRUIT, POME, GROUP 11	1.500	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
FRUIT, STONE, EXCEPT FRESH PRUNE PLUM	3.000	<u>Active - Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	

GOAT, FAT	0.500	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
GOAT, LIVER	0.400	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
GOAT, MEAT	0.020	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
GOAT, MEAT BYPRODUCTS, EXCEPT LIVER	0.100	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
GRAIN, ASPIRATED FRACTIONS	120.000	<u>Active - Established (02-Oct-2013)</u>	Permanent Tolerance	180.544	2013 ✓
GRAIN, ASPIRATED FRACTIONS	160.000	<u>Active - Amended (07-Jun-2006)</u>	Permanent Tolerance	180.544	
GRAIN, ASPIRATED FRACTIONS	20.000	<u>Active - Established (02-Nov-2001)</u>	Section 18 Tolerance	180.544	
GRAIN, CEREAL, FORAGE, FODDER AND STRAW, GROUP 16	10.000	<u>Active - Amended (05-Mar-2008)</u>	Time Limited Tolerance	180.544	
GRAPE	1.000	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
GRAPE, RAISIN	1.500	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
GRASS, FORAGE, FODDER AND HAY, GROUP 17	10.000	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
GRASS, FORAGE, FODDER AND HAY, GROUP 17	10.000	<u>Active - Amended (05-Mar-2008)</u>	Time Limited Tolerance	180.544	
GRASS, FORAGE, FODDER, AND HAY, GROUP 17, FORAGE	18.000	<u>Active - Established (05-Mar-2008)</u>	Time Limited Tolerance	180.544	

GRASS, FORAGE, FODDER, AND HAY, GROUP 17, HAY	30.000	<u>Active - Established (05-Mar- 2008)</u>	Permanent Tolerance	180.544	
GUAVA	0.400	<u>Active - Amended (05- Mar-2008)</u>	Permanent Tolerance	180.544	
GUAVA		<u>Pending - Under Review (05-Jul-2006)</u>			
HERB AND SPICE GROUP 19	10.000	<u>Active - Amended (05- Mar-2008)</u>	Time Limited Tolerance	180.544	
HERB SUBGROUP 19A, DRIED, EXCEPT CHIVE	400.000	<u>Active - Established (02-Oct-2013)</u>	Permanent Tolerance	180.364	2013 ✓
HOG, FAT	0.100	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
HOG, LIVER	0.100	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
HOG, MEAT	0.020	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
HOG, MEAT BYPRODUCTS, EXCEPT LIVER	0.020	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
HORSE, FAT	0.500	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
HORSE, LIVER	0.400	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
HORSE, MEAT	0.020	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
HORSE, MEAT BYPRODUCTS, EXCEPT LIVER	0.100	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
		<u>Active -</u>	Permanent		2013 ✓

ILAMA	0.600	<u>Established</u> (02-Oct-2013)	Tolerance	180.544	2013 ✓
JABOTICABA	0.400	<u>Active -</u> <u>Established</u> (05-Mar-2008)	Permanent Tolerance	180.544	
JOSTABERRY		<u>Pending -</u> <u>Under Review</u> (05-Jul-2006)			
JUNEBERRY		<u>Pending -</u> <u>Under Review</u> (05-Jul-2006)			
LEAF PETIOLES SUBGROUP 4B	25.000	<u>Active -</u> <u>Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
LEAFY GREENS SUBGROUP 4A	30.000	<u>Active -</u> <u>Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
LINGONBERRY		<u>Pending -</u> <u>Under Review</u> (05-Jul-2006)			
LONGAN	2.000	<u>Active -</u> <u>Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
LYCHEE	2.000	<u>Active -</u> <u>Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
MANGO	0.600	<u>Active -</u> <u>Amended</u> (05- Mar-2008)	Permanent Tolerance	180.544	
MILK	0.100	<u>Active -</u> <u>Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
NUT, TREE, GROUP 14	0.100	<u>Active -</u> <u>Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
OKRA	2.000	<u>Active -</u> <u>Established</u> (30-May-2003)	Permanent Tolerance	180.544	
		<u>Pending -</u>			

ONION, GREEN		<u>Under Review</u> <u>(22-May-2007)</u>			
PAPAYA	0.600	<u>Active -</u> <u>Amended (05-</u> <u>Mar-2008)</u>	Permanent Tolerance	180.544	
PASSIONFRUIT	0.400	<u>Active -</u> <u>Established</u> <u>(05-Mar-</u> <u>2008)</u>	Permanent Tolerance	180.544	
PEA AND BEAN, DRIED SHELLLED, EXCEPT SOYBEAN, SUBGROUP 6C		<u>Pending -</u> <u>Under Review</u> <u>(30-Sep-2008)</u>			
PEA AND BEAN, SUCCULENT SHELLED, SUBGROUP 6B	0.200	<u>Active -</u> <u>Established</u> <u>(29-Sep-2004)</u>	Permanent Tolerance	180.544	
PEA, BLACKEYED, SEED	4.000	<u>Active -</u> <u>Established</u> <u>(30-May-</u> <u>2003)</u>	Permanent Tolerance	180.544	
PEA, DRY, SEED	2.500	<u>Active -</u> <u>Established</u> <u>(02-Sep-2009)</u>	Permanent Tolerance	180.544	
PEA, SOUTHERN, SEED	4.000	<u>Active -</u> <u>Established</u> <u>(30-May-</u> <u>2003)</u>	Permanent Tolerance	180.544	
PEANUT	0.020	<u>Active -</u> <u>Amended (05-</u> <u>Mar-2008)</u>	Permanent Tolerance	180.544	
PEANUT, HAY	55.000	<u>Active -</u> <u>Established</u> <u>(05-Mar-</u> <u>2008)</u>	Permanent Tolerance	180.544	
PEPPERMINT, TOPS	7.000	<u>Active -</u> <u>Established</u> <u>(29-Sep-2004)</u>	Permanent Tolerance	180.544	
PINEAPPLE		<u>Active -</u> <u>Established</u> <u>(27-Aug-</u>	Permanent Tolerance	180.544	

		2014)			
PISTACHIO	0.100	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
PLUM, PRUNE, FRESH	0.300	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
POMEGRANATE	0.600	<u>Active - Amended (02-Sep-2009)</u>	Permanent Tolerance	180.544	
POTATO	0.020	<u>Active - Established (11-Jul-2012)</u>	Permanent Tolerance	180.544	
POTATO, WET PEEL	0.075	<u>Active - Established (02-Oct-2013)</u>	Permanent Tolerance	180.665	2013 ✓
POULTRY, FAT	0.020	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
POULTRY, LIVER	0.100	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
POULTRY, MEAT	0.020	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
POULTRY, MEAT BYPRODUCTS, EXCEPT LIVER	0.020	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
PULASAN	2.000	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
RAMBUTAN	2.000	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
SALAL		<u>Pending - Under Review (05-Jul-2006)</u>			
SAPODILLA	0.600	<u>Active - Amended (05-Mar-2008)</u>	Permanent Tolerance	180.544	

SAPOTE, BLACK	0.600	<u>Active - Amended (05-Mar-2008)</u>	Permanent Tolerance	180.544	
SAPOTE, MAMEY	0.600	<u>Active - Amended (05-Mar-2008)</u>	Permanent Tolerance	180.544	
SHEEP, FAT	0.500	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
SHEEP, LIVER	0.400	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
SHEEP, MEAT	0.020	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
SHEEP, MEAT BYPRODUCTS, EXCEPT LIVER	0.100	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
SORGHUM, GRAIN, FORAGE	15.000	<u>Active - Amended (02-Oct-2013)</u>	Section 18 Tolerance	180.544	2013 ✓
SORGHUM, GRAIN, GRAIN	6.000	<u>Active - Amended (02-Oct-2013)</u>	Section 18 Tolerance	180.544	✓
SORGHUM, GRAIN, STOVER	20.000	<u>Active - Amended (02-Oct-2013)</u>	Section 18 Tolerance	180.544	✓
SORGHUM, SWEET, STALK	15.000	<u>Active - Established (02-Oct-2013)</u>	Permanent Tolerance	180.544	✓
SOURSOP	0.600	<u>Active - Established (02-Oct-2013)</u>	Permanent Tolerance	180.544	✓
SOYBEAN, FORAGE	10.000	<u>Active - Established (21-Dec-2005)</u>	Section 18 Tolerance	180.544	
SOYBEAN, FORAGE	30.000	<u>Active - Amended (07-Jun-2006)</u>	Permanent Tolerance	180.544	
		<u>Active -</u>			

SOYBEAN, HAY	75.000	<u>Established</u> (21-Dec-2005)	Section 18 Tolerance	180.544	
SOYBEAN, HAY	80.000	<u>Active -</u> <u>Amended (07-</u> <u>Jun-2006)</u>	Permanent Tolerance	180.544	
SOYBEAN, HULLS	2.000	<u>Active -</u> <u>Amended (07-</u> <u>Jun-2006)</u>	Permanent Tolerance (negligible residue)	180.544	
SOYBEAN, MEAL		<u>Pending -</u> <u>Under Review</u> (09-Dec-2003)			
SOYBEAN, REFINED OIL	1.000	<u>Active -</u> <u>Established</u> (21-Dec-2005)	Section 18 Tolerance	180.544	
SOYBEAN, REFINED OIL	1.000	<u>Active -</u> <u>Established</u> (25-Jun-2003)	Section 18 Tolerance	180.544	
SOYBEAN, SEED	0.040	<u>Active -</u> <u>Established</u> (23-Jan-2006)	Section 18 Tolerance	180.544	
SOYBEAN, SEED	1.000	<u>Active -</u> <u>Amended (07-</u> <u>Jun-2006)</u>	Permanent Tolerance	180.544	
SPANISH LIME	2.000	<u>Active -</u> <u>Established</u> (20-Sep-2002)	Permanent Tolerance	180.544	
SPEARMINT, TOPS	7.000	<u>Active -</u> <u>Established</u> (29-Sep-2004)	Permanent Tolerance	180.544	
STAR APPLE	0.600	<u>Active -</u> <u>Amended (05-</u> <u>Mar-2008)</u>	Permanent Tolerance	180.544	
STARFRUIT	0.400	<u>Active -</u> <u>Established</u> (05-Mar-2008)	Permanent Tolerance	180.544	
STRAWBERRY	1.500	<u>Active -</u> <u>Established</u>	Permanent	180.544	

		(29-Sep-2004)	Tolerance		
SUGAR APPLE	0.600	<u>Active - Established (02-Oct-2013)</u>	Permanent Tolerance	180.544	2013 ✓
TURNIP, GREENS	30.000	<u>Active - Established (30-May-2003)</u>	Permanent Tolerance	180.544	
VEGETABLE, BULB, GROUP 3	0.200	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
VEGETABLE, CUCURBIT, GROUP 9	0.300	<u>Active - Established (30-May-2003)</u>	Permanent Tolerance	180.544	
VEGETABLE, FOLIAGE OF LEGUME, EXCEPT SOYBEAN, SUBGROUP 7A	35.000	<u>Active - Established (29-Sep-2004)</u>	Permanent Tolerance	180.544	
VEGETABLE, FOLIAGE OF LEGUME, GROUP 7	10.000	<u>Active - Amended (05-Mar-2008)</u>	Time Limited Tolerance	180.544	
VEGETABLE, FRUITING, GROUP 8	2.000	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
VEGETABLE, LEAVES OF ROOT AND TUBER, GROUP 2		<u>Pending - Under Review (03-Dec-2003)</u>			
VEGETABLE, LEAVES OF ROOT AND TUBER, GROUP 2	0.200	<u>Active - Established (20-Sep-2002)</u>	Permanent Tolerance	180.544	
VEGETABLE, LEAVES OF ROOT AND TUBER, GROUP 2	0.200	<u>Active - Amended (05-Mar-2008)</u>	Time Limited Tolerance	180.544	
VEGETABLE, LEGUME, EDIBLE PODDED, SUBGROUP 6A	1.500	<u>Active - Established (29-Sep-2004)</u>	Permanent Tolerance	180.544	
VEGETABLE,	0.100	<u>Active - Amended (05-</u>	Time Limited	180.544	

LEGUME, GROUP 6		<u>Mar-2008)</u>	Tolerance		
VEGETABLE, ROOT AND TUBER, GROUP 1	0.100	<u>Active - Amended (05- Mar-2008)</u>	Time Limited Tolerance	180.544	
VEGETABLE, ROOT, EXCEPT SUGARBEET, SUBGROUP 1B	0.900	<u>Active - Established (11-Jul-2012)</u>	Permanent Tolerance	180.544	2012
VEGETABLE, ROOT, SUBGROUP 1A		<u>Pending - Under Review (03-Dec- 2003)</u>			
VEGETABLE, ROOT, SUBGROUP 1A	0.500	<u>Active - Established (29-Sep-2004)</u>	Permanent Tolerance	180.544	
VEGETABLE, TUBEROUS AND CORM, EXCEPT POTATO, SUBGROUP 1D	0.020	<u>Active - Amended (05- Mar-2008)</u>	Permanent Tolerance	180.544	
WAX JAMBU	0.400	<u>Active - Established (05-Mar- 2008)</u>	Permanent Tolerance	180.544	
Total Rows: 159					

ELECTRONIC CODE OF FEDERAL REGULATIONS

e-CFR data is current as of March 11, 2016

Title 40 → Chapter I → Subchapter E → Part 180 → Subpart C → §180.544

Title 40: Protection of Environment

PART 180—TOLERANCES AND EXEMPTIONS FOR PESTICIDE CHEMICAL RESIDUES IN FOOD

Subpart C—Specific Tolerances

§180.544 Methoxyfenozide; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide methoxyfenozide, including its metabolites and degradates, in or on the commodities listed in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only methoxyfenozide (3-methoxy-2-methylbenzoic acid 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide) in or on the commodity.

Commodity	Parts per million
Acerola	0.4
Almond, hulls	25
Animal feed, nongrass, group 18, forage	50.0
Animal feed, nongrass, group 18, hay	150.0
Apple, wet pomace	7.0
Artichoke, globe	3.0
Atemoya	0.60
Avocado	0.6
Beet, sugar, roots	0.50
Berry, low growing, subgroup 13-07G, except cranberry	2.0
Biriba	0.60
Brassica, head and stem, subgroup 5A	7.0
Brassica, leafy greens, subgroup 5B	30
Bushberry subgroup 13-07B	3.0
Caneberry subgroup 13-07A	6.0
Canistel	0.6
Cattle, fat	0.50
Cattle, meat	0.02
Cherimoya	0.60
Chive, fresh leaves	30
Citrus, oil	100
Corn, field, forage	15
Corn, field, grain	0.05
Corn, field, refined oil	0.20
Corn, field, stover	125
Corn, pop, grain	0.05
Corn, pop, stover	125
Corn, sweet, forage	30
Corn, sweet, kernel plus cob with husks removed	0.05
Corn, sweet, stover	60
Cotton, gin byproducts	35
Cotton, undelinted seed	2.0
Cranberry	0.5
Custard apple	0.60
Date	8.0
Feijoa	0.4
Fruit, citrus, group 10-10	3.0
Fruit, pome, group 11-10	2.0
Fruit, small, vine climbing, except fuzzy kiwifruit, subgroup 13-07F	1.0
Fruit, stone, group 12-12, except plum, prune, fresh	3.0
Goat, fat	0.50
Goat, meat	0.02
Grain, aspirated grain fractions	120
Grape, raisin	1.5
Grass, forage, fodder and hay, group 17, forage	18.0
Grass, forage, fodder and hay, group 17, hay	30.0
Guava	0.4

Herb subgroup 19A, except chive, fresh leaves	400
Hog, fat	0.1
Hog, meat	0.02
Horse, fat	0.50
Horse, meat	0.02
Llama	0.60
Jaboticaba	0.4
Leaf petioles subgroup 4B	25
Leafy greens subgroup 4A	30
Longan	2.0
Lychee	2.0
Mango	0.6
Milk	0.10
Nut, tree, group 14-12	0.10
Onion, green, subgroup 3-07B, except chive, fresh leaves	5.0
Papaya	0.6
Passionfruit	0.4
Pea and bean, dried shelled, except soybean, subgroup 6C, except pea, blackeyed, seed and pea, southern, seed	0.50
Pea and bean, succulent shelled, subgroup 6B	0.2
Pea, blackeyed, seed	4.0
Pea, southern, seed	4.0
Peanut	0.02
Peanut, hay	55.0
Peanut, oil	0.04
Peppermint, tops	7.0
Pineapple	0.70
Plum, prune, fresh	0.30
Pomegranate	0.6
Poultry, fat	0.02
Poultry, meat	0.02
Pulasan	2.0
Rambutan	2.0
Sapodilla	0.6
Sapote, black	0.6
Sapote, mamey	0.6
Sheep, fat	0.50
Sheep, meat	0.02
Sorghum, grain, forage	15
Sorghum, grain, grain	6.0
Sorghum, grain, stover	20
Sorghum, sweet, forage	15
Sorghum, sweet, grain	6.0
Sorghum, sweet, stalk	15
Sorghum, sweet, stover	20
Soursop	0.60
Soybean, aspirated grain fractions	160
Soybean, forage	30
Soybean, hay	80
Soybean, hulls	2.0
Soybean, seed	1.0
Spanish lime	2.0
Spearmint, tops	7.0
Star apple	0.6
Starfruit	0.4
Sugar apple	0.60
Turnip, greens	30
Vegetable, cucurbit, group 9	0.3
Vegetable, foliage of legume, except soybean, subgroup 7A	35
Vegetable, fruiting, group 8-10	2.0
Vegetable, leaves of root and tuber, group 2	30
Vegetable, legume, edible podded, subgroup 6A	1.5
Vegetable, root, except sugar beet, Subgroup 1B	0.90
Vegetable, tuberous and corm, except potato, subgroup 1D	0.02
Wax jambu	0.4

(2) Tolerances are established for residues of the insecticide methoxyfenozide, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only the sum of methoxyfenozide [3-methoxy-2-methylbenzoic acid 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide] and its glucuronide metabolite (β -D-Glucopyranuronic acid, 3-[[2-(1,1-dimethylethyl)-2-(3,5-dimethylbenzoyl)-hydrazino]carbonyl]-2-methylphenyl-), calculated as the stoichiometric equivalent of methoxyfenozide.

Commodity	Parts per million
Cattle, liver	0.40
Cattle, meat byproducts, except liver	0.10
Egg	0.02
Goat, liver	0.40
Goat, meat byproducts, except liver	0.10
Hog, liver	0.1
Hog, meat byproducts, except liver	0.02
Horse, liver	0.40
Horse, meat byproducts, except liver	0.10
Poultry, liver	0.10
Poultry, meat byproducts, except liver	0.02
Sheep, liver	0.40
Sheep, meat byproducts, except liver	0.10

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent tolerances.* (1) Tolerances are established for the indirect or inadvertent residues of the insecticide methoxyfenozide, including its metabolites and degradates, in or on the raw agricultural commodities in the following table, when present therein as a result of the application of methoxyfenozide to growing crops as listed in paragraph (a) of this section. Compliance with the tolerance levels specified in the following table is to be determined by measuring only methoxyfenozide [3-methoxy-2-methylbenzoic acid 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide].

Commodity	Parts per million
Onion, bulb, subgroup 3-07A	0.10
Potato	0.02

(2) Tolerances are established for the indirect or inadvertent residues of the insecticide methoxyfenozide, including its metabolites and degradates, in or on the raw agricultural commodities in the following table, when present therein as a result of the application of methoxyfenozide to growing crops as listed in paragraph (a) of this section. Compliance with the tolerance levels specified in the following table is to be determined by measuring only the sum of methoxyfenozide [3-methoxy-2-methylbenzoic acid, 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide] and the following metabolites (all calculated as the stoichiometric equivalent of methoxyfenozide): free phenol of methoxyfenozide [3,5-dimethylbenzoic acid N-tert-butyl-N'-(3-hydroxy-2-methylbenzoyl) hydrazide], the glucose conjugate of the phenol [3,5-dimethyl benzoic acid N-tert-butyl-N'-(3 (β-D-glucopyranosyloxy)-2-methylbenzoyl)-hydrazide] and the malonylglycosyl conjugate of the phenol [3,5-dimethyl benzoic acid N-tert-butyl-N'-(3 (β-D-6-malonyl-glucopyranosyl-1-oxy)-2-methylbenzoyl)-hydrazide].

Commodity	Parts per million
Animal feed, nongrass, group 18, straw	8.0
Grain, cereal, forage, fodder and straw group 16, except corn	6.0
Rapeseed subgroup 20A	1.0
Spice subgroup 19B	4.5
Sunflower subgroup 20B	1.0

[67 FR 59203, Sept. 20, 2002, as amended at 68 FR 32389, May 30, 2003; 68 FR 37765, June 25, 2003; 69 FR 58097, Sept. 29, 2004; 70 FR 7047, Feb. 10, 2005; 70 FR 51604, Aug. 31, 2005; 70 FR 75739, Dec. 21, 2005; 71 FR 32853, June 7, 2006; 73 FR 11826, Mar. 5, 2008; 74 FR 22468, May 13, 2009; 74 FR 45335, Sept. 2, 2009; 76 FR 34886, June 15, 2011; 77 FR 40812, July 11, 2012; 78 FR 60714, Oct. 2, 2013; 79 FR 51106, Aug. 27, 2014; 80 FR 65968, Oct. 28, 2015]

Need assistance?

